

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL061625\  
 Data File : VL042624.D  
 Acq On : 16 Jun 2025 10:29  
 Operator : SY/MD  
 Sample : VL0616ABS01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0616ABS01

Quant Time: Jun 17 03:03:38 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL052925AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022

QLast Update : Fri May 30 02:01:56 2025

Response via : Initial Calibration

| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.787 | 49   | 107046   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 3.955 | 114  | 286719   | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 8.882 | 117  | 259461   | 10.000 | ppbv  | 0.00     |

#### System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.377 95 199109 10.237 ppbv 0.00  
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.400%

#### Target Compounds

|                               |       |     |        |        | Qvalue |     |
|-------------------------------|-------|-----|--------|--------|--------|-----|
| 2) Dichlorodifluoromethane    | 1.499 | 85  | 136670 | 10.388 | ppbv   | 96  |
| 3) Chlorodifluoromethane      | 1.476 | 51  | 174546 | 9.633  | ppbv   | 98  |
| 4) Chloromethane              | 1.534 | 50  | 51156  | 9.819  | ppbv   | 98  |
| 5) Vinyl Chloride             | 1.580 | 62  | 48533  | 9.145  | ppbv   | 100 |
| 6) Bromomethane               | 1.667 | 94  | 24091  | 9.326  | ppbv   | 94  |
| 7) Chloroethane               | 1.703 | 64  | 19971  | 9.685  | ppbv   | 93  |
| 8) Dichlorotetrafluoroethane  | 1.554 | 85  | 112219 | 10.237 | ppbv   | 100 |
| 9) Propene                    | 1.483 | 41  | 69909  | 9.581  | ppbv   | 99  |
| 10) Heptane                   | 4.978 | 43  | 197588 | 9.606  | ppbv   | 100 |
| 11) Trichlorofluoromethane    | 1.877 | 101 | 140074 | 11.443 | ppbv   | 96  |
| 12) 1,1,2-Trichlorotrifluo... | 2.140 | 101 | 109502 | 11.392 | ppbv   | 98  |
| 13) Ethanol                   | 1.722 | 45  | 5871   | 6.751  | ppbv   | 96  |
| 14) Bromoethene               | 1.780 | 108 | 38439  | 10.631 | ppbv   | 96  |
| 15) Acetone                   | 1.835 | 43  | 114754 | 8.900  | ppbv   | 97  |
| 16) 1,3-Butadiene             | 1.609 | 39  | 56873  | 9.311  | ppbv   | 96  |
| 17) tert-Butyl alcohol        | 2.039 | 59  | 137548 | 10.240 | ppbv   | 99  |
| 18) 1,1-Dichloroethene        | 2.033 | 96  | 45907  | 10.304 | ppbv   | 97  |
| 19) Isopropyl Alcohol         | 1.884 | 45  | 75945  | 9.852  | ppbv   | 100 |
| 20) Methylene Chloride        | 2.062 | 84  | 39509  | 9.285  | ppbv   | 98  |
| 21) Allyl Chloride            | 2.094 | 41  | 90040  | 9.897  | ppbv   | 94  |
| 22) trans-1,2-Dichloroethene  | 2.340 | 96  | 52622  | 10.574 | ppbv   | 100 |
| 23) Vinyl Acetate             | 2.463 | 43  | 212830 | 12.211 | ppbv   | 98  |
| 24) 1,1-Dichloroethane        | 2.408 | 63  | 108253 | 10.572 | ppbv   | 99  |
| 25) Ethyl Acetate             | 2.832 | 43  | 348882 | 9.887  | ppbv   | 99  |
| 26) Hexane                    | 2.826 | 57  | 149725 | 9.338  | ppbv   | 96  |
| 27) Carbon Disulfide          | 2.149 | 76  | 132478 | 10.763 | ppbv # | 92  |
| 28) Methyl tert-Butyl Ether   | 2.437 | 73  | 66546  | 10.228 | ppbv   | 98  |
| 29) Chloroform                | 2.848 | 83  | 210668 | 10.104 | ppbv   | 99  |
| 30) Cyclohexane               | 3.855 | 84  | 122467 | 9.213  | ppbv   | 97  |
| 31) cis-1,2-Dichloroethene    | 2.722 | 61  | 147213 | 10.037 | ppbv   | 96  |
| 32) 1,1,1-Trichloroethane     | 3.366 | 97  | 207491 | 9.740  | ppbv   | 98  |
| 34) 2-Butanone                | 2.554 | 43  | 226773 | 11.091 | ppbv   | 99  |
| 35) Carbon Tetrachloride      | 3.764 | 117 | 210222 | 11.107 | ppbv   | 99  |
| 36) Benzene                   | 3.658 | 78  | 304362 | 10.780 | ppbv   | 99  |
| 37) 1,2-Dichloroethane        | 3.217 | 62  | 163904 | 11.680 | ppbv   | 99  |
| 38) Trichloroethene           | 4.548 | 130 | 122527 | 10.210 | ppbv   | 88  |
| 39) 1,2-Dichloropropane       | 4.315 | 63  | 110459 | 10.579 | ppbv   | 97  |
| 40) 1,4-Dioxane               | 4.577 | 88  | 48307  | 10.339 | ppbv # | 90  |
| 41) Tetrahydrofuran           | 3.052 | 42  | 128060 | 10.699 | ppbv   | 99  |
| 42) Bromodichloromethane      | 4.489 | 83  | 232526 | 11.667 | ppbv   | 96  |
| 43) Methyl Methacrylate       | 4.878 | 69  | 114782 | 10.474 | ppbv   | 99  |
| 44) 2,2,4-Trimethylpentane    | 4.638 | 57  | 514353 | 10.650 | ppbv   | 99  |
| 45) t-1,3-Dichloropropene     | 6.412 | 75  | 132193 | 10.542 | ppbv   | 98  |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL061625\  
 Data File : VL042624.D  
 Acq On : 16 Jun 2025 10:29  
 Operator : SY/MD  
 Sample : VL0616ABS01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

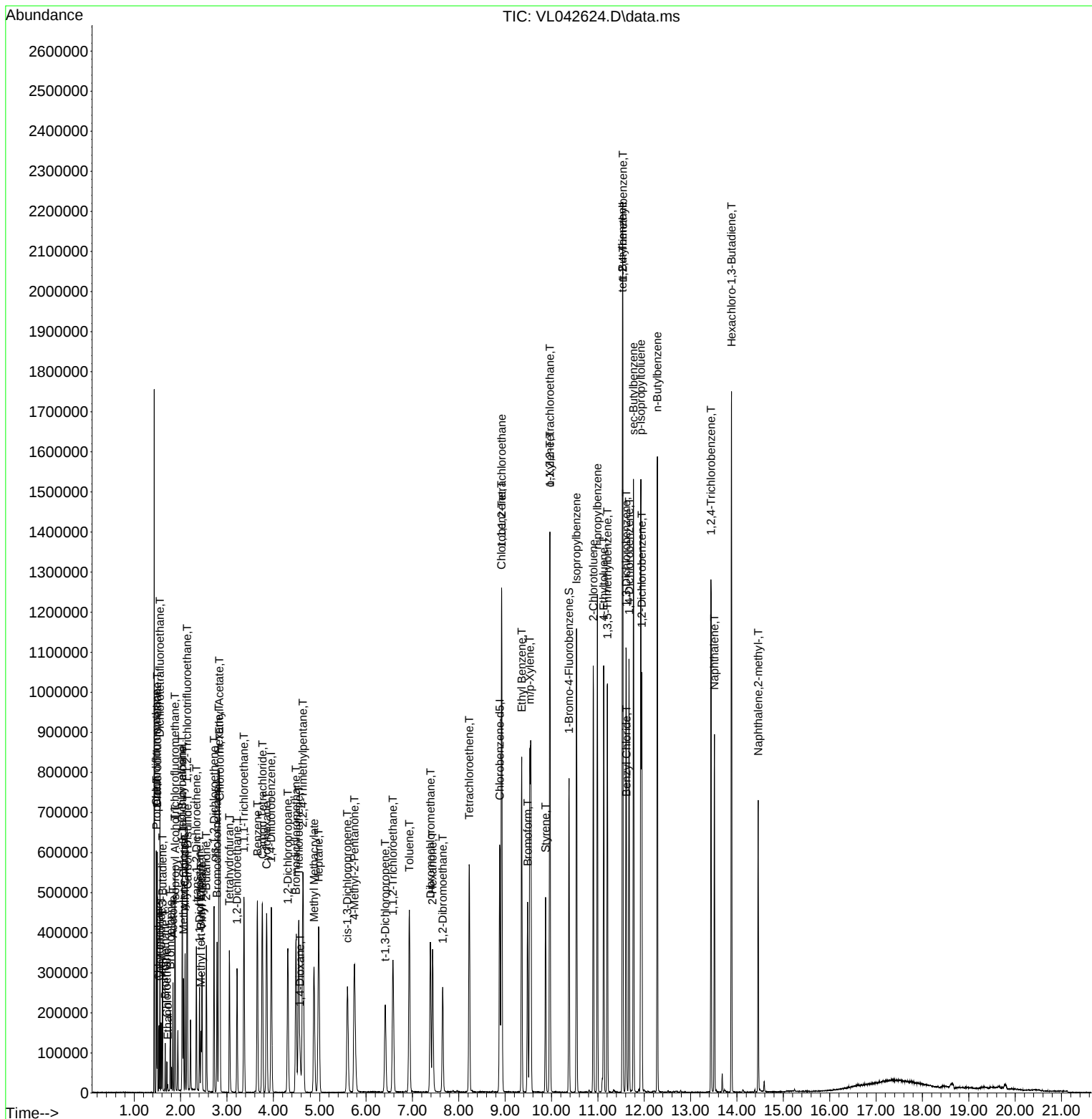
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0616ABS01

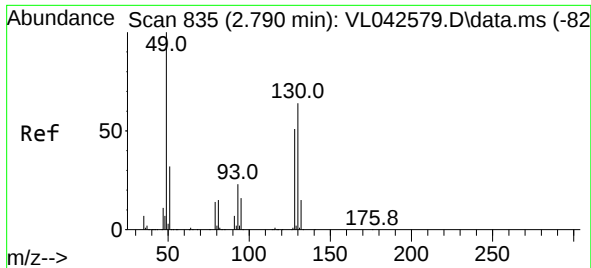
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL052925AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Fri May 30 02:01:56 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 5.596  | 75   | 166004   | 10.565 | ppbv   | 95       |
| 47) 1,1,2-Trichloroethane     | 6.580  | 97   | 116650   | 10.792 | ppbv   | 94       |
| 48) Dibromochloromethane      | 7.389  | 129  | 187227   | 10.821 | ppbv   | 100      |
| 49) Bromoform                 | 9.487  | 173  | 161902   | 10.844 | ppbv   | 99       |
| 50) 4-Methyl-2-Pentanone      | 5.752  | 43   | 309608   | 10.917 | ppbv   | 99       |
| 51) 2-Hexanone                | 7.435  | 43   | 247186   | 10.989 | ppbv # | 96       |
| 52) Tetrachloroethene         | 8.225  | 164  | 102638   | 9.728  | ppbv   | 97       |
| 53) Toluene                   | 6.936  | 91   | 337046   | 10.328 | ppbv   | 99       |
| 54) 1,2-Dibromoethane         | 7.655  | 107  | 170053   | 10.630 | ppbv   | 98       |
| 56) 1,1,1,2-Tetrachloroethane | 8.927  | 131  | 140643   | 10.780 | ppbv   | 98       |
| 57) Chlorobenzene             | 8.920  | 112  | 264897   | 10.515 | ppbv   | 99       |
| 58) Ethyl Benzene             | 9.357  | 91   | 467998   | 10.634 | ppbv   | 96       |
| 59) m/p-Xylene                | 9.532  | 91   | 378682   | 10.934 | ppbv # | 29       |
| 60) o-Xylene                  | 9.966  | 91   | 369758   | 10.704 | ppbv   | 98       |
| 61) Styrene                   | 9.872  | 104  | 169386   | 10.371 | ppbv   | 99       |
| 62) Isopropylbenzene          | 10.539 | 105  | 541625   | 10.613 | ppbv   | 99       |
| 63) 1,1,2,2-Tetrachloroethane | 9.966  | 83   | 235113   | 10.704 | ppbv   | 98       |
| 64) n-propylbenzene           | 10.989 | 120  | 141765   | 10.363 | ppbv   | 94       |
| 65) tert-Butylbenzene         | 11.532 | 119  | 469290   | 10.134 | ppbv   | 96       |
| 66) Benzyl Chloride           | 11.617 | 91   | 54970    | 9.221  | ppbv   | 98       |
| 67) sec-Butylbenzene          | 11.769 | 105  | 671931   | 10.320 | ppbv   | 98       |
| 69) p-Isopropyltoluene        | 11.927 | 119  | 556052   | 10.198 | ppbv   | 99       |
| 70) n-Butylbenzene            | 12.283 | 91   | 573365   | 10.653 | ppbv   | 98       |
| 71) 2-Chlorotoluene           | 10.901 | 91   | 410090   | 10.535 | ppbv   | 97       |
| 72) 4-Ethyltoluene            | 11.125 | 105  | 454234   | 10.547 | ppbv   | 99       |
| 73) 1,3,5-Trimethylbenzene    | 11.205 | 105  | 377709   | 10.597 | ppbv   | 100      |
| 74) 1,2,4-Trimethylbenzene    | 11.539 | 105  | 411337   | 10.399 | ppbv   | 99       |
| 75) 1,3-Dichlorobenzene       | 11.610 | 146  | 257115   | 10.351 | ppbv   | 99       |
| 76) 1,4-Dichlorobenzene       | 11.672 | 146  | 259390   | 10.470 | ppbv   | 99       |
| 77) 1,2-Dichlorobenzene       | 11.947 | 146  | 250092   | 10.374 | ppbv   | 99       |
| 78) Hexachloro-1,3-Butadiene  | 13.882 | 225  | 182353   | 9.142  | ppbv   | 99       |
| 79) Naphthalene               | 13.513 | 128  | 404428   | 10.847 | ppbv   | 100      |
| 80) Naphthalene,2-methyl-     | 14.458 | 142  | 199834   | 11.863 | ppbv   | 98       |
| 81) 1,2,4-Trichlorobenzene    | 13.439 | 180  | 210333   | 10.105 | ppbv   | 98       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quant Time: Jun 17 03:03:38 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL052925AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LFri Aug 26 06:05:16 2022  
QLast Update : Fri May 30 02:01:56 2025  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 2.787 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL042624.D

Acq: 16 Jun 2025 10:29

Instrument :

MSVOA\_L

ClientSampleId :

VL0616ABS01

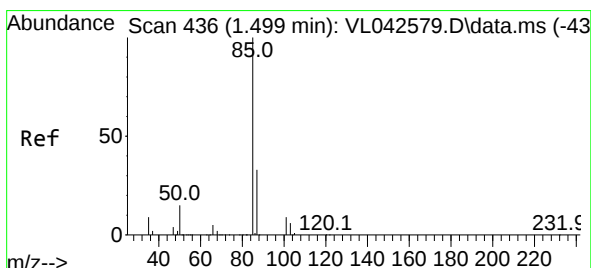
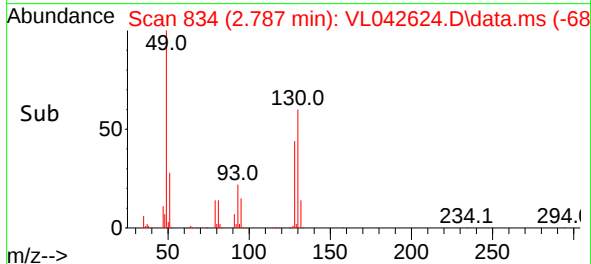
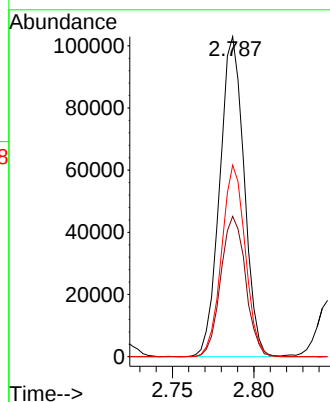
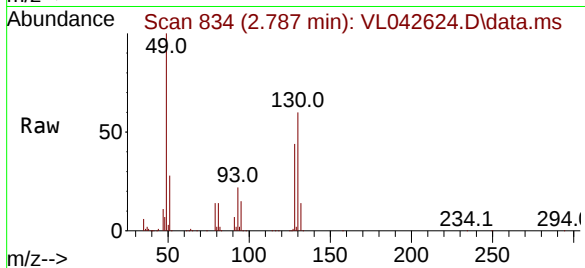
Tgt Ion: 49 Resp: 107046

Ion Ratio Lower Upper

49 100

128 44.6 24.2 72.6

130 57.9 30.4 91.2



#2

Dichlorodifluoromethane

Concen: 10.388 ppbv

RT: 1.499 min Scan# 436

Delta R.T. -0.000 min

Lab File: VL042624.D

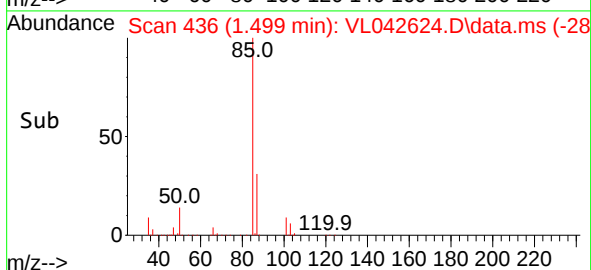
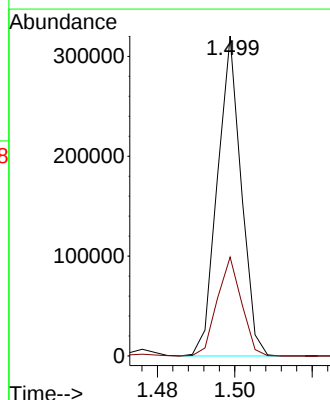
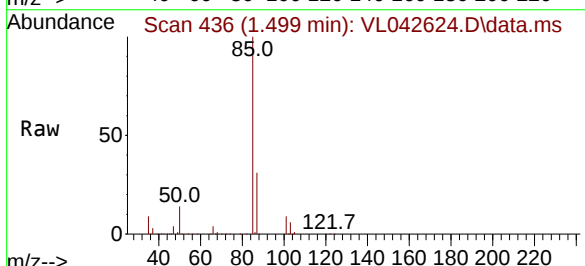
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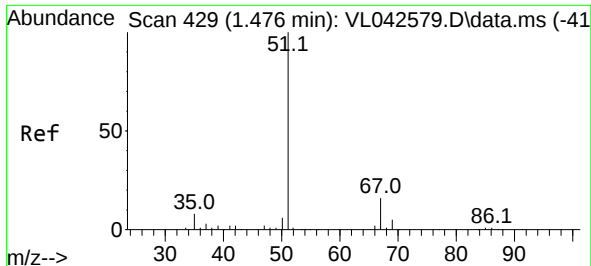
Tgt Ion: 85 Resp: 136670

Ion Ratio Lower Upper

85 100

87 30.9 26.6 39.8

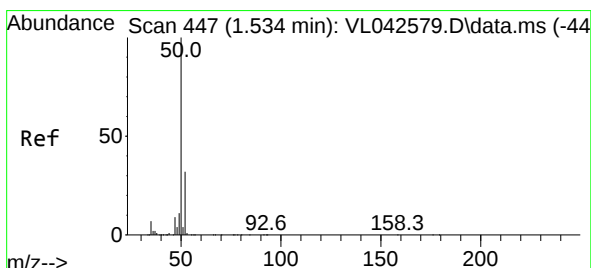
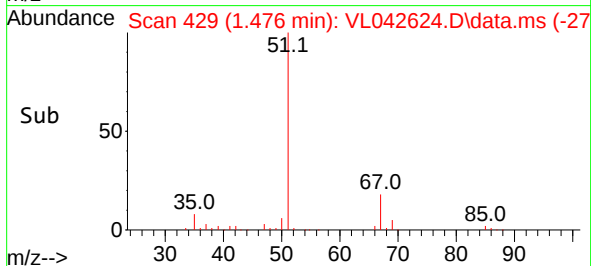
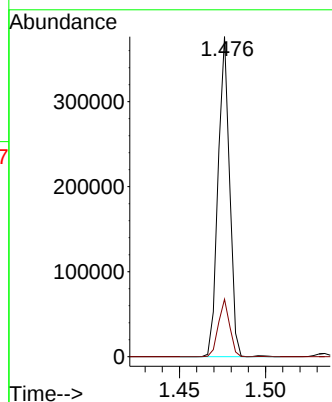
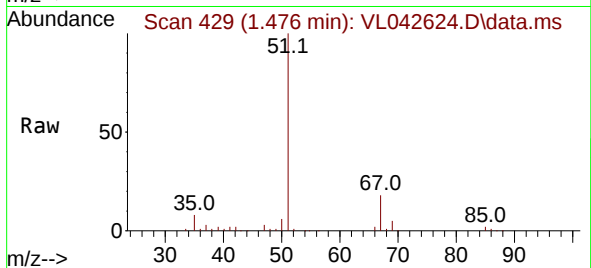




#3  
Chlorodifluoromethane  
Concen: 9.633 ppbv  
RT: 1.476 min Scan# 429  
Delta R.T. -0.000 min  
Lab File: VL042624.D  
Acq: 16 Jun 2025 10:29

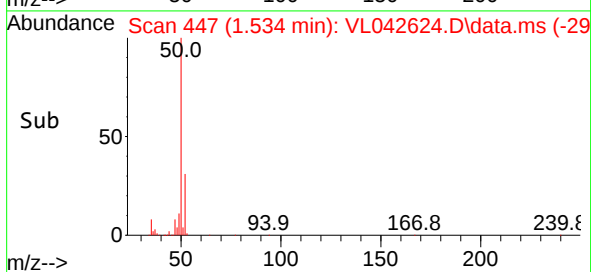
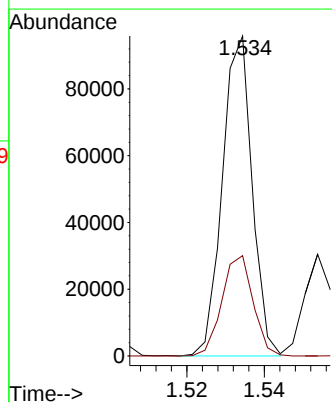
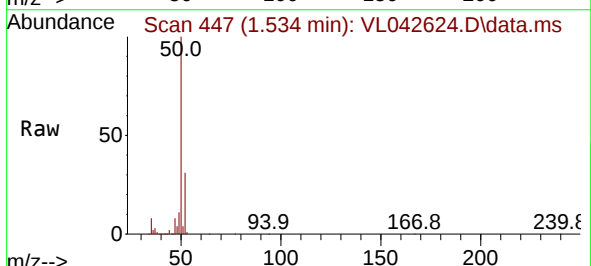
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0616ABS01

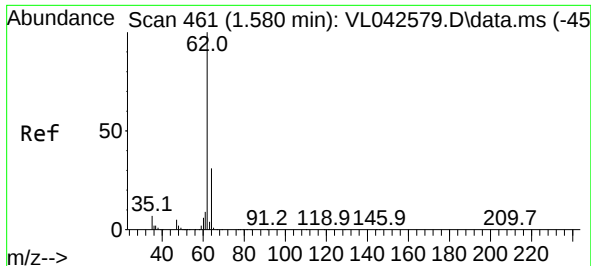
Tgt Ion: 51 Resp: 174546  
Ion Ratio Lower Upper  
51 100  
67 17.6 13.4 20.2



#4  
Chloromethane  
Concen: 9.819 ppbv  
RT: 1.534 min Scan# 447  
Delta R.T. -0.000 min  
Lab File: VL042624.D  
Acq: 16 Jun 2025 10:29

Tgt Ion: 50 Resp: 51156  
Ion Ratio Lower Upper  
50 100  
52 31.3 25.8 38.6

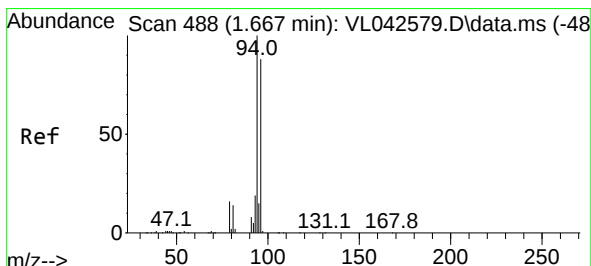
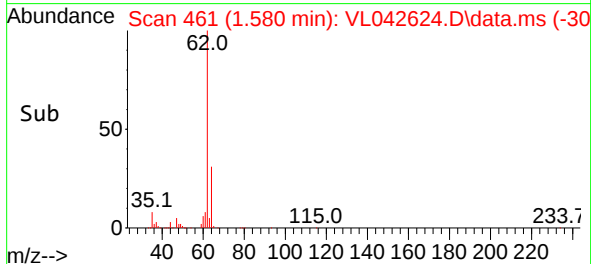
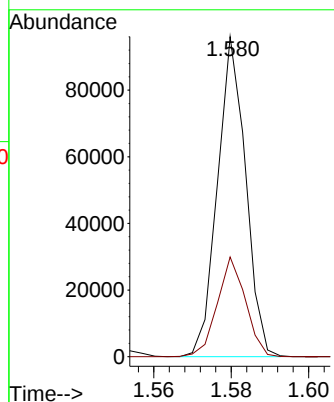
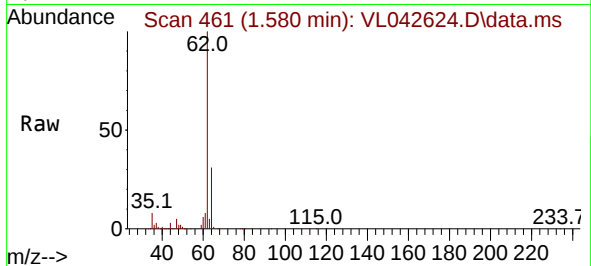




#5  
 Vinyl Chloride  
 Concen: 9.145 ppbv  
 RT: 1.580 min Scan# 461  
 Delta R.T. -0.000 min  
 Lab File: VL042624.D  
 Acq: 16 Jun 2025 10:29

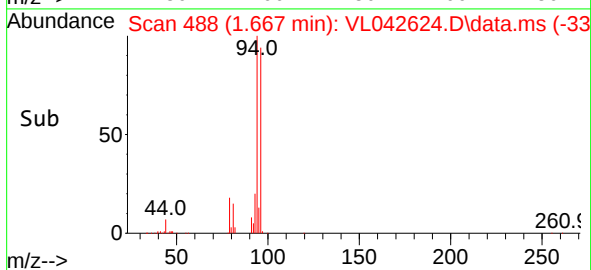
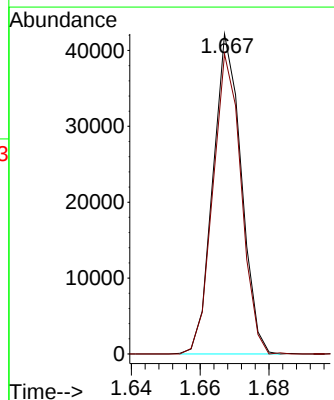
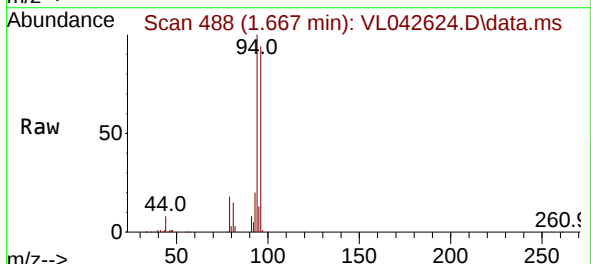
Instrument :  
 MSVOA\_1  
 ClientSampleId :  
 VL0616ABS01

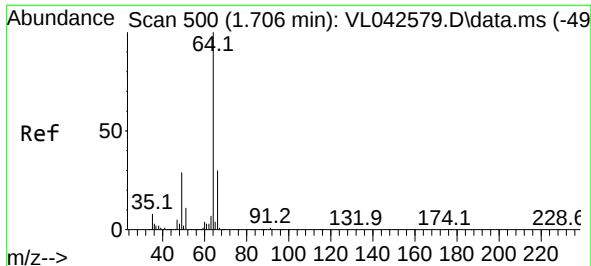
Tgt Ion: 62 Resp: 48533  
 Ion Ratio Lower Upper  
 62 100  
 64 31.1 24.9 37.3



#6  
 Bromomethane  
 Concen: 9.326 ppbv  
 RT: 1.667 min Scan# 488  
 Delta R.T. -0.000 min  
 Lab File: VL042624.D  
 Acq: 16 Jun 2025 10:29

Tgt Ion: 94 Resp: 24091  
 Ion Ratio Lower Upper  
 94 100  
 96 93.8 70.7 106.1

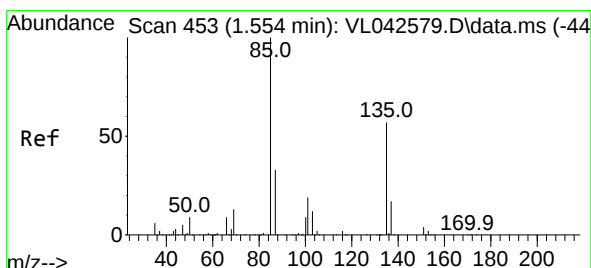
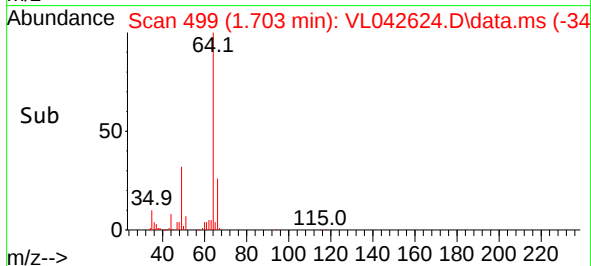
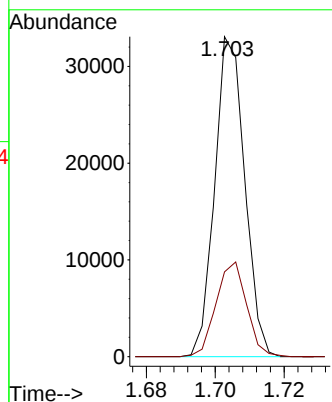
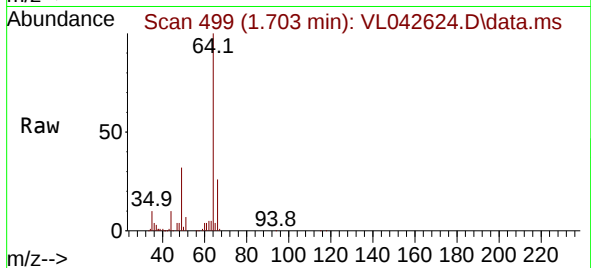




#7  
Chloroethane  
Concen: 9.685 ppbv  
RT: 1.703 min Scan# 499  
Delta R.T. -0.003 min  
Lab File: VL042624.D  
Acq: 16 Jun 2025 10:29

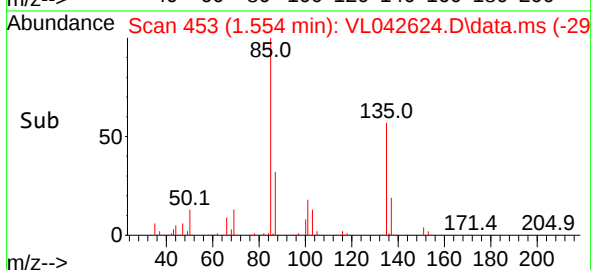
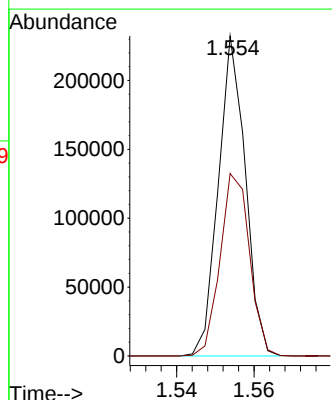
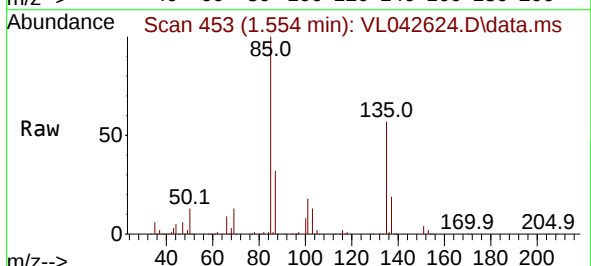
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0616ABS01

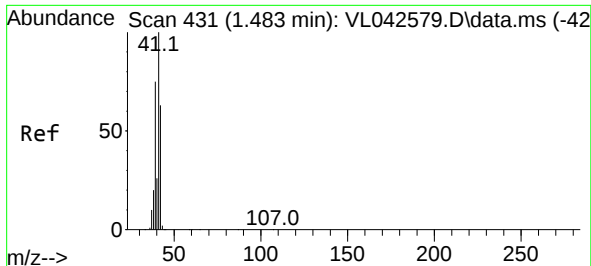
Tgt Ion: 64 Resp: 19971  
Ion Ratio Lower Upper  
64 100  
66 26.5 24.3 36.5



#8  
Dichlorotetrafluoroethane  
Concen: 10.237 ppbv  
RT: 1.554 min Scan# 453  
Delta R.T. -0.000 min  
Lab File: VL042624.D  
Acq: 16 Jun 2025 10:29

Tgt Ion: 85 Resp: 112219  
Ion Ratio Lower Upper  
85 100  
135 62.4 50.2 75.4





#9

Propene

Concen: 9.581 ppbv

RT: 1.483 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL042624.D

Acq: 16 Jun 2025 10:29

Instrument :

MSVOA\_L

ClientSampleId :

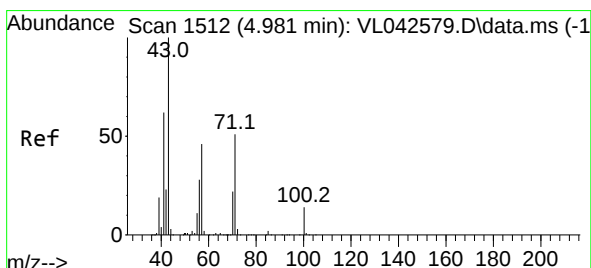
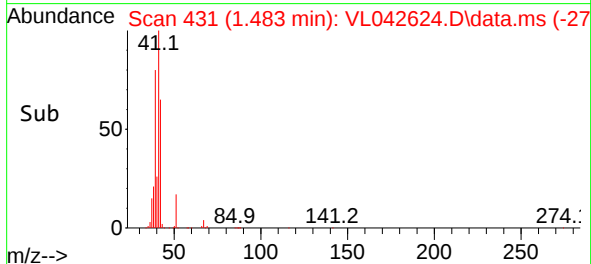
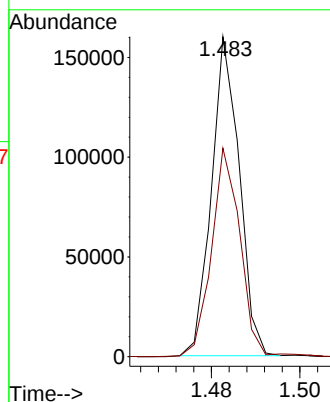
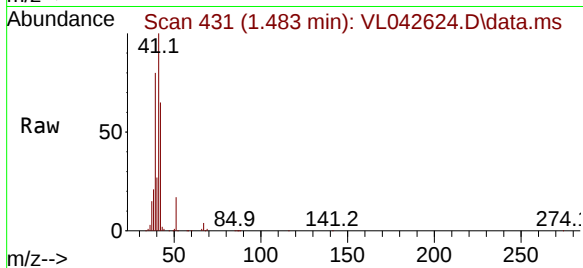
VL0616ABS01

Tgt Ion: 41 Resp: 69909

Ion Ratio Lower Upper

41 100

42 67.4 53.3 79.9



#10

Heptane

Concen: 9.606 ppbv

RT: 4.978 min Scan# 1511

Delta R.T. -0.003 min

Lab File: VL042624.D

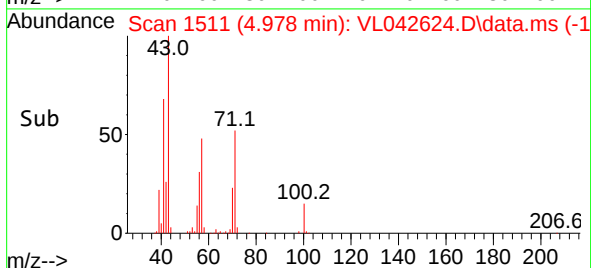
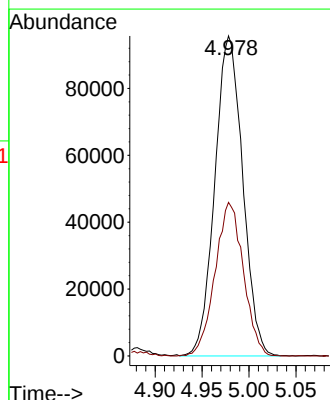
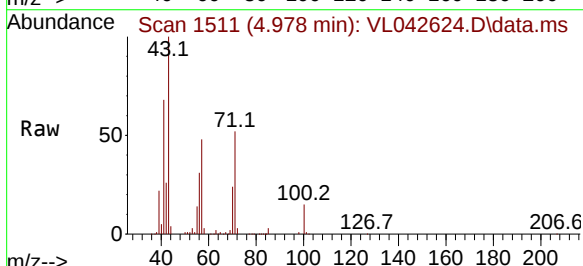
Acq: 16 Jun 2025 10:29

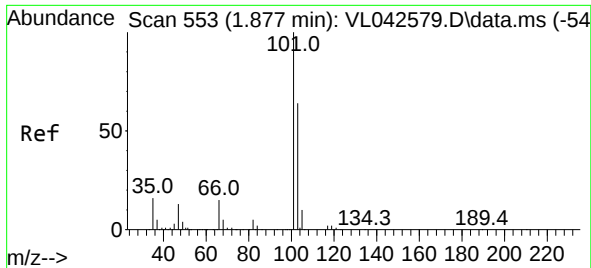
Tgt Ion: 43 Resp: 197588

Ion Ratio Lower Upper

43 100

57 48.6 38.9 58.3

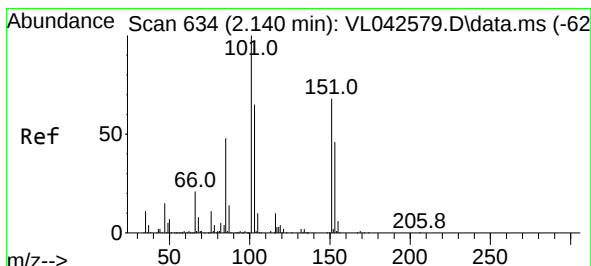
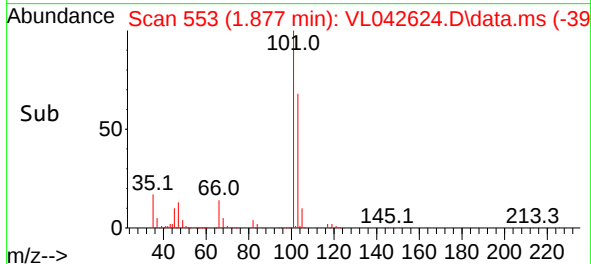
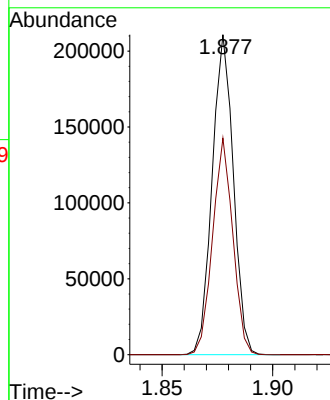
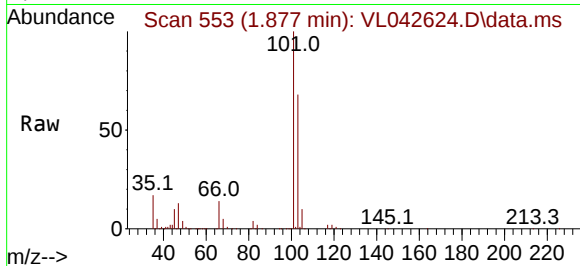




#11  
 Trichlorofluoromethane  
 Concen: 11.443 ppbv  
 RT: 1.877 min Scan# 511  
 Delta R.T. -0.000 min  
 Lab File: VL042624.D  
 Acq: 16 Jun 2025 10:29

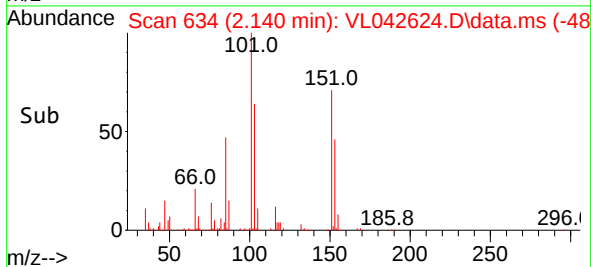
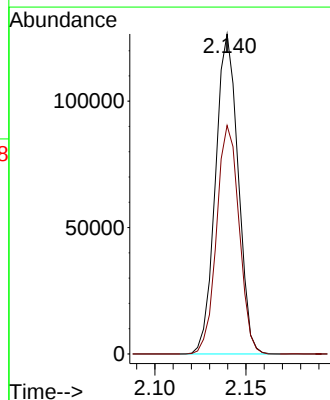
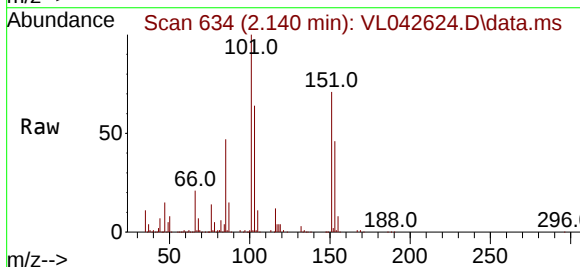
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0616ABS01

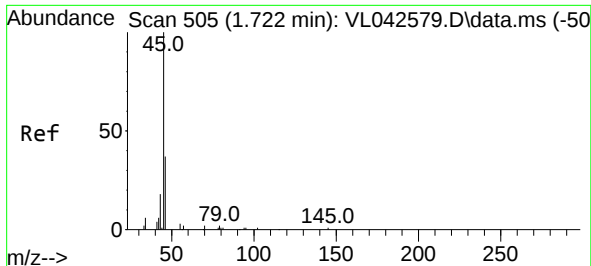
Tgt Ion:101 Resp: 140074  
 Ion Ratio Lower Upper  
 101 100  
 103 67.7 51.5 77.3



#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 11.392 ppbv  
 RT: 2.140 min Scan# 634  
 Delta R.T. -0.000 min  
 Lab File: VL042624.D  
 Acq: 16 Jun 2025 10:29

Tgt Ion:101 Resp: 109502  
 Ion Ratio Lower Upper  
 101 100  
 151 70.9 55.3 82.9

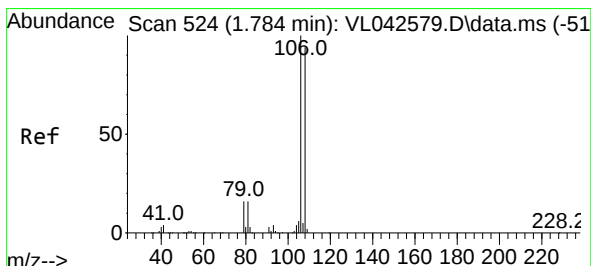
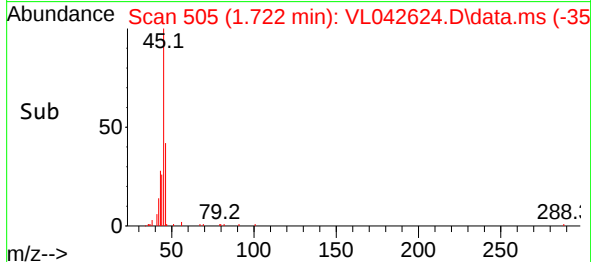
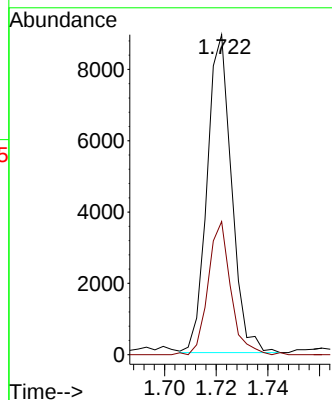
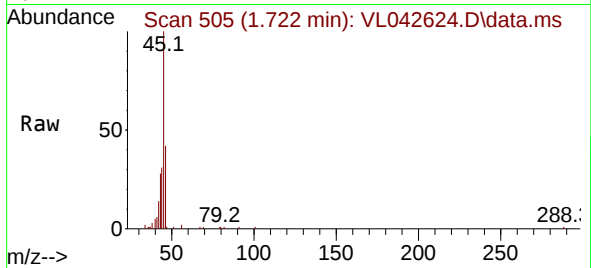




#13  
Ethanol  
Concen: 6.751 ppbv  
RT: 1.722 min Scan# 505  
Delta R.T. -0.000 min  
Lab File: VL042624.D  
Acq: 16 Jun 2025 10:29

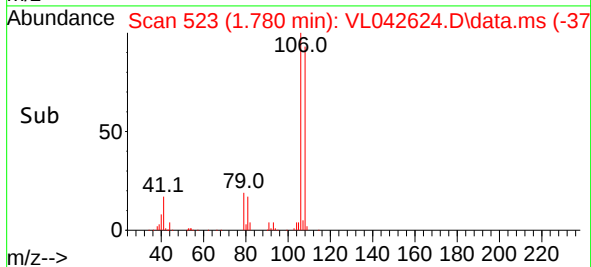
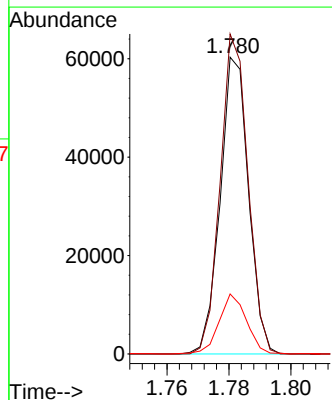
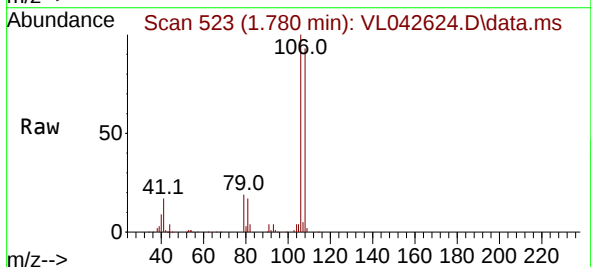
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0616ABS01

Tgt Ion: 45 Resp: 5871  
Ion Ratio Lower Upper  
45 100  
46 38.6 14.5 58.1



#14  
Bromoethene  
Concen: 10.631 ppbv  
RT: 1.780 min Scan# 523  
Delta R.T. -0.003 min  
Lab File: VL042624.D  
Acq: 16 Jun 2025 10:29

Tgt Ion:108 Resp: 38439  
Ion Ratio Lower Upper  
108 100  
106 105.1 87.9 131.9  
79 20.0 15.6 23.4

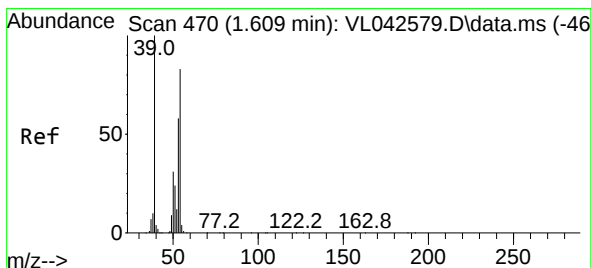
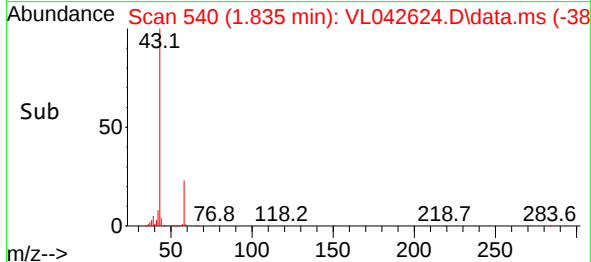
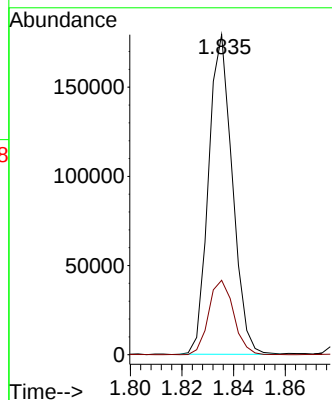
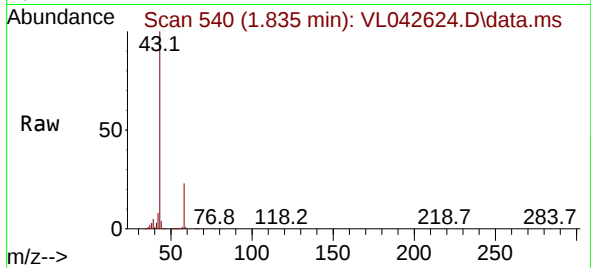




#15  
Acetone  
Concen: 8.900 ppbv  
RT: 1.835 min Scan# 54  
Delta R.T. -0.000 min  
Lab File: VL042624.D  
Acq: 16 Jun 2025 10:29

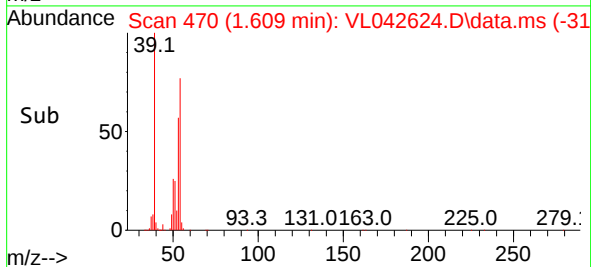
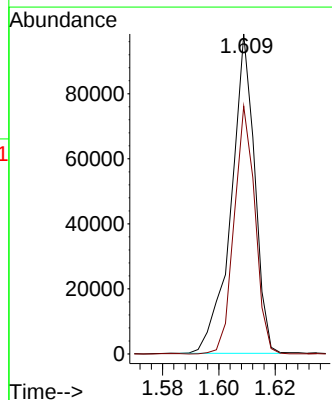
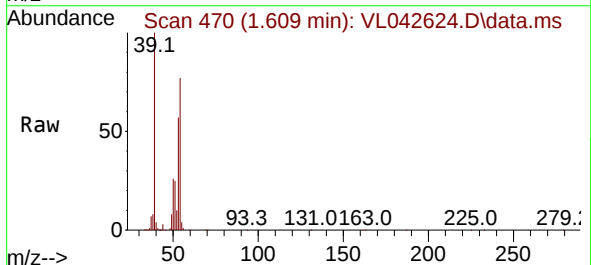
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VL0616ABS01

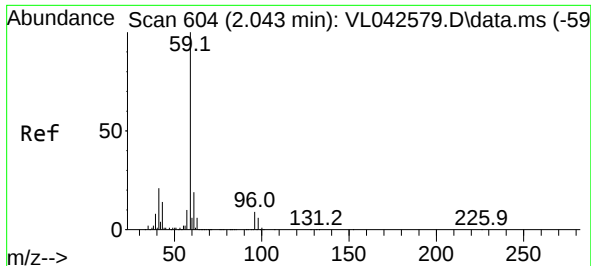
Tgt Ion: 43 Resp: 114754  
Ion Ratio Lower Upper  
43 100  
58 24.4 21.0 31.4



#16  
1,3-Butadiene  
Concen: 9.311 ppbv  
RT: 1.609 min Scan# 470  
Delta R.T. -0.000 min  
Lab File: VL042624.D  
Acq: 16 Jun 2025 10:29

Tgt Ion: 39 Resp: 56873  
Ion Ratio Lower Upper  
39 100  
54 68.9 57.9 86.9





#17

tert-Butyl alcohol

Concen: 10.240 ppbv

RT: 2.039 min Scan# 604

Delta R.T. -0.003 min

Lab File: VL042624.D

Acq: 16 Jun 2025 10:29

Instrument :

MSVOA\_L

ClientSampleId :

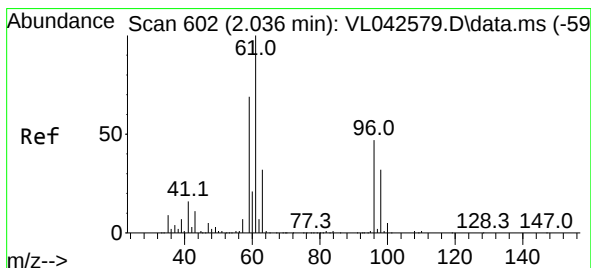
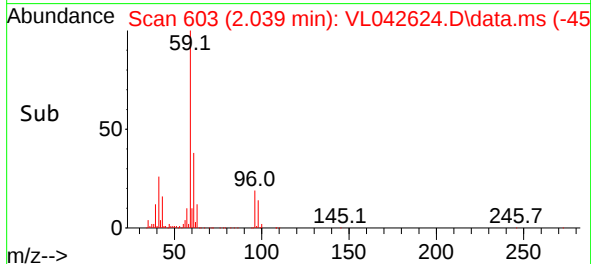
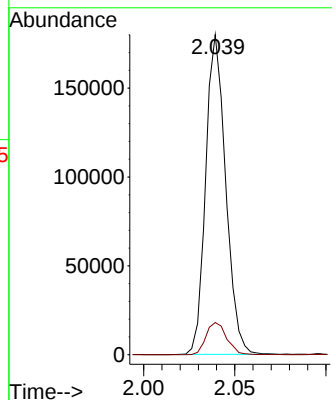
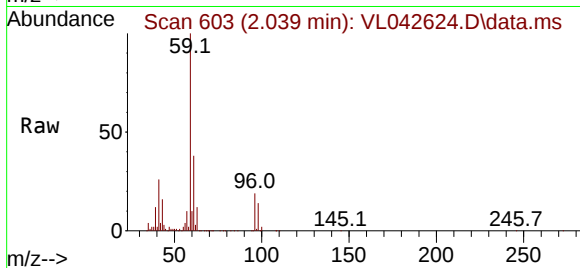
VL0616ABS01

Tgt Ion: 59 Resp: 137548

Ion Ratio Lower Upper

59 100

57 10.4 8.6 12.8



#18

1,1-Dichloroethene

Concen: 10.304 ppbv

RT: 2.033 min Scan# 601

Delta R.T. -0.003 min

Lab File: VL042624.D

Acq: 16 Jun 2025 10:29

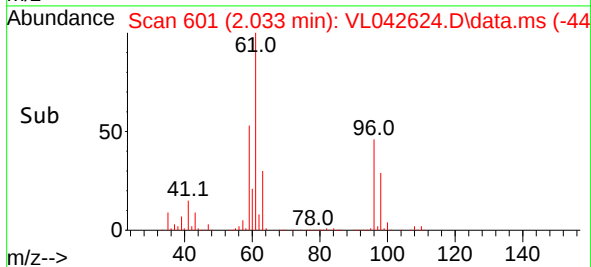
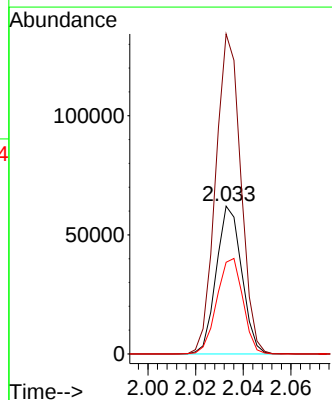
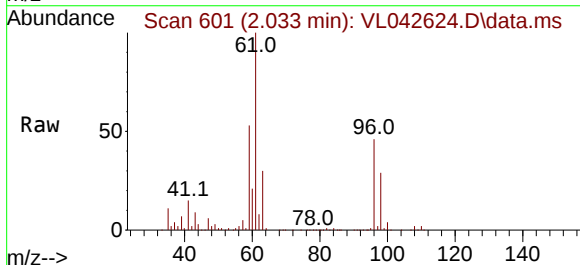
Tgt Ion: 96 Resp: 45907

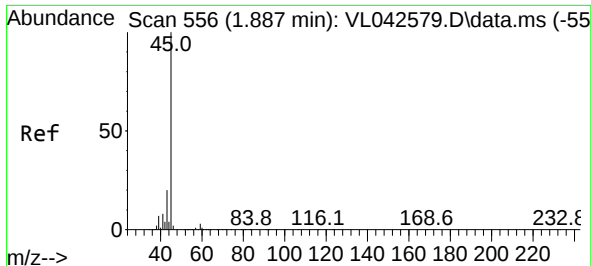
Ion Ratio Lower Upper

96 100

61 216.3 171.1 256.7

98 62.0 54.4 81.6

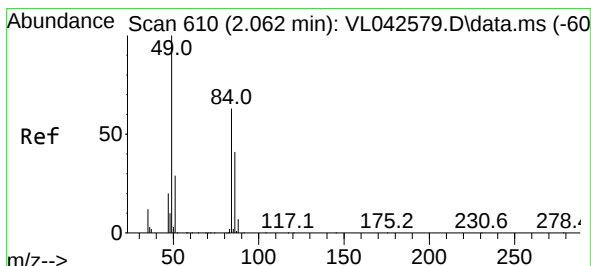
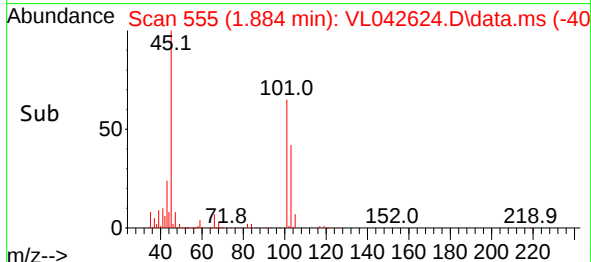
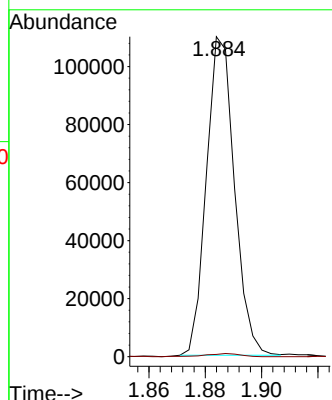
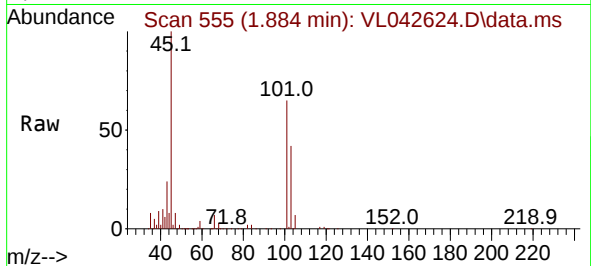




#19  
Isopropyl Alcohol  
Concen: 9.852 ppbv  
RT: 1.884 min Scan# 51  
Delta R.T. -0.003 min  
Lab File: VL042624.D  
Acq: 16 Jun 2025 10:29

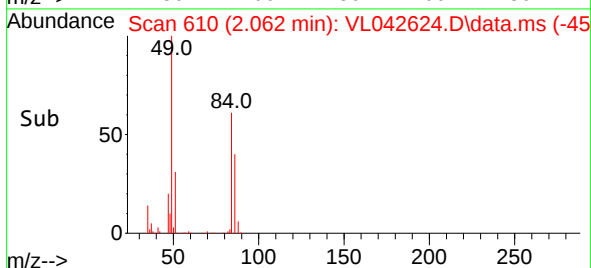
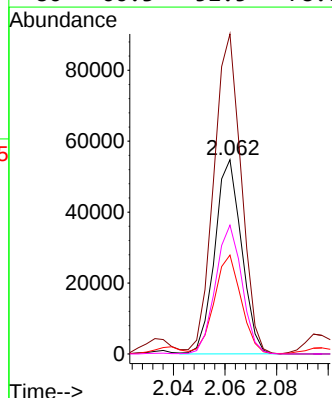
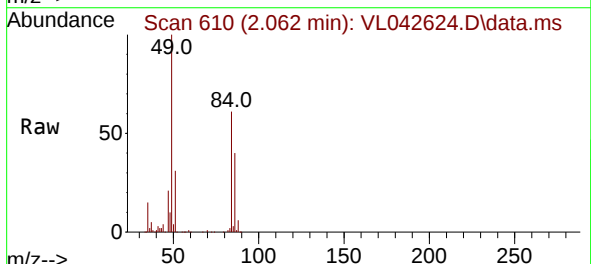
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0616ABS01

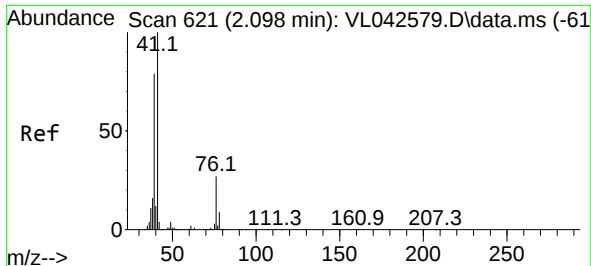
Tgt Ion: 45 Resp: 75945  
Ion Ratio Lower Upper  
45 100  
58 36.9 29.4 44.2



#20  
Methylene Chloride  
Concen: 9.285 ppbv  
RT: 2.062 min Scan# 610  
Delta R.T. -0.000 min  
Lab File: VL042624.D  
Acq: 16 Jun 2025 10:29

Tgt Ion: 84 Resp: 39509  
Ion Ratio Lower Upper  
84 100  
49 164.7 128.8 193.2  
51 50.7 38.6 57.8  
86 66.3 52.5 78.7

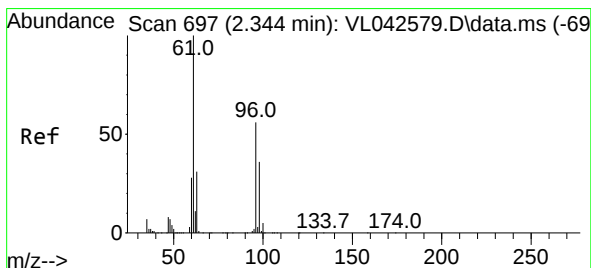
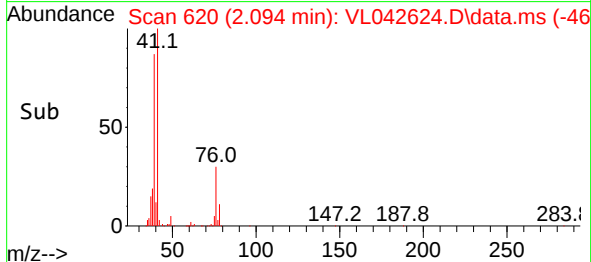
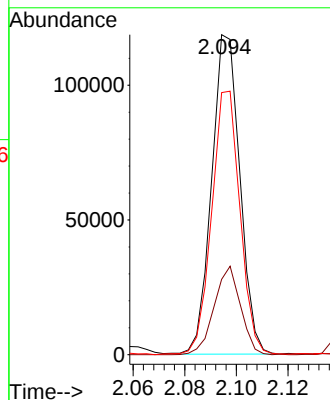
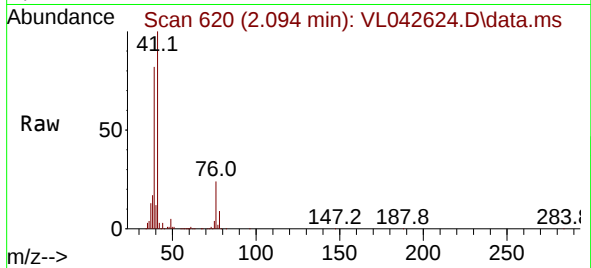




#21  
 Allyl Chloride  
 Concen: 9.897 ppbv  
 RT: 2.094 min Scan# 61  
 Delta R.T. -0.003 min  
 Lab File: VL042624.D  
 Acq: 16 Jun 2025 10:29

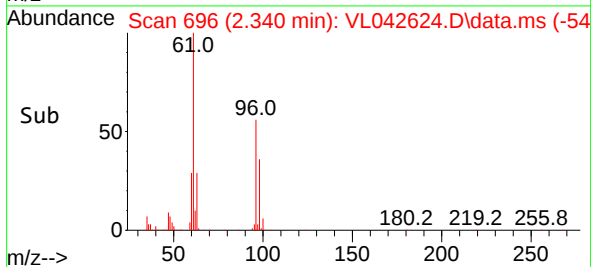
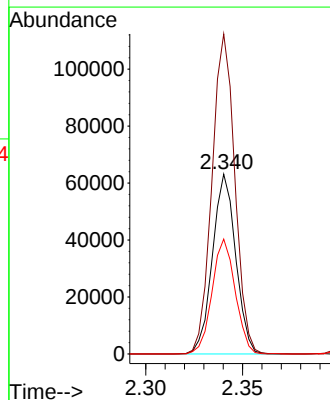
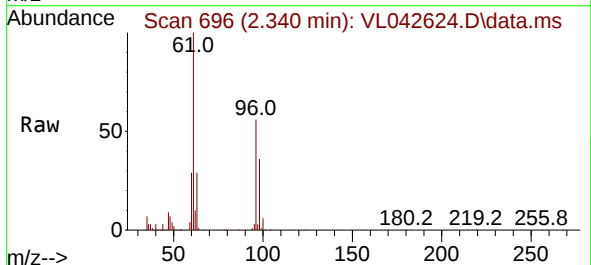
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 MSVOA\_L  
 ClientSampleId :  
 VL0616ABS01

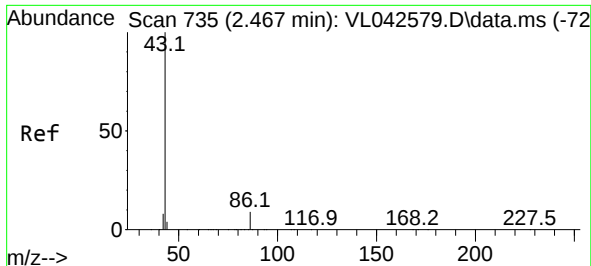
Tgt Ion: 41 Resp: 90040  
 Ion Ratio Lower Upper  
 41 100  
 76 25.8 21.2 31.8  
 39 82.5 60.9 91.3



#22  
 trans-1,2-Dichloroethene  
 Concen: 10.574 ppbv  
 RT: 2.340 min Scan# 696  
 Delta R.T. -0.003 min  
 Lab File: VL042624.D  
 Acq: 16 Jun 2025 10:29

Tgt Ion: 96 Resp: 52622  
 Ion Ratio Lower Upper  
 96 100  
 61 177.8 142.6 214.0  
 98 63.9 51.0 76.4

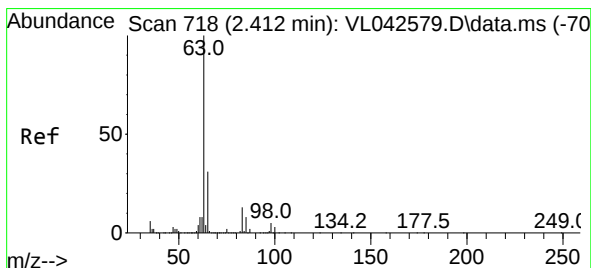
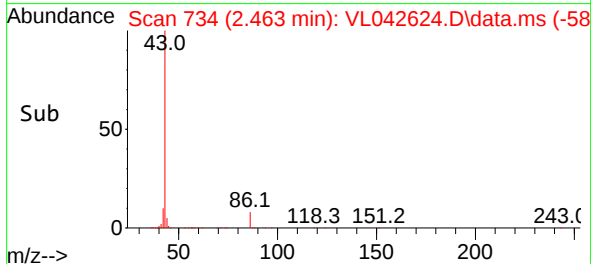
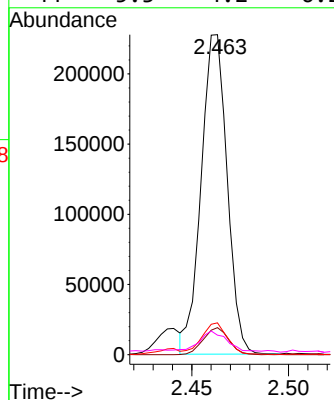
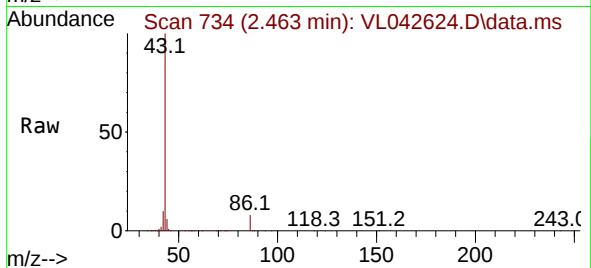




#23  
 Vinyl Acetate  
 Concen: 12.211 ppbv  
 RT: 2.463 min Scan# 717  
 Delta R.T. -0.003 min  
 Lab File: VL042624.D  
 Acq: 16 Jun 2025 10:29

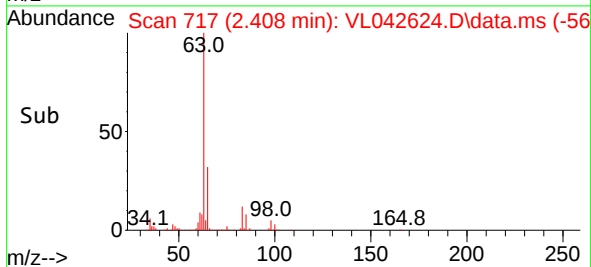
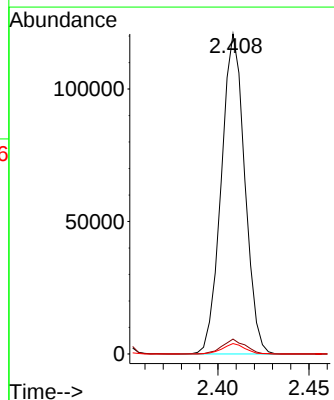
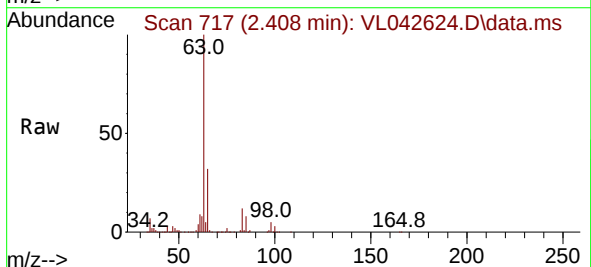
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0616ABS01

| Tgt Ion: | 43    | Resp: | 212830 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 86       | 8.4   | 6.6   | 9.8    |
| 42       | 9.8   | 7.0   | 10.4   |
| 44       | 5.3   | 4.2   | 6.2    |



#24  
 1,1-Dichloroethane  
 Concen: 10.572 ppbv  
 RT: 2.408 min Scan# 717  
 Delta R.T. -0.003 min  
 Lab File: VL042624.D  
 Acq: 16 Jun 2025 10:29

| Tgt Ion: | 63    | Resp: | 108253 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 63       | 100   |       |        |
| 98       | 4.7   | 2.4   | 7.1    |
| 100      | 3.3   | 1.4   | 4.0    |

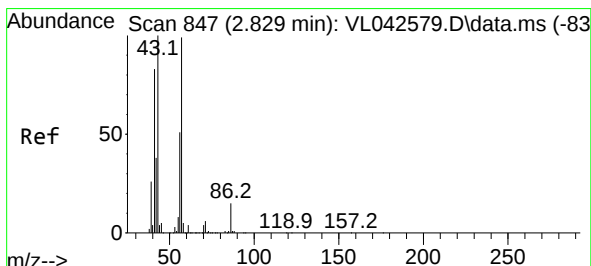
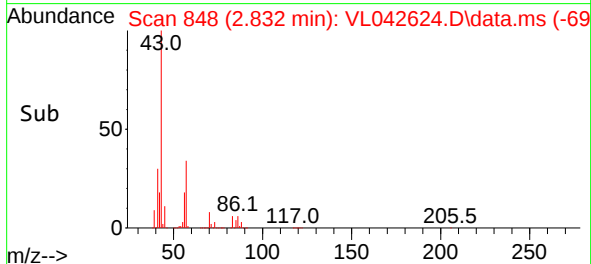
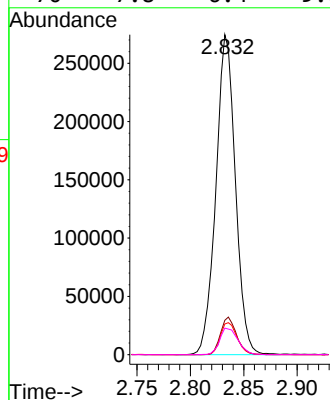
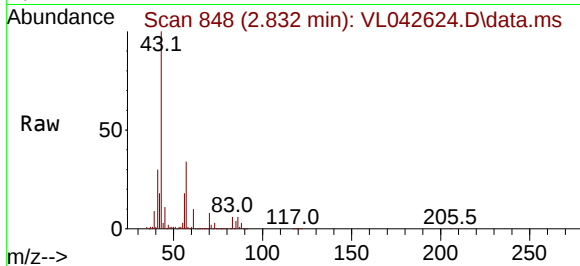




#25  
Ethyl Acetate  
Concen: 9.887 ppbv  
RT: 2.832 min Scan# 848  
Delta R.T. -0.007 min  
Lab File: VL042624.D  
Acq: 16 Jun 2025 10:29

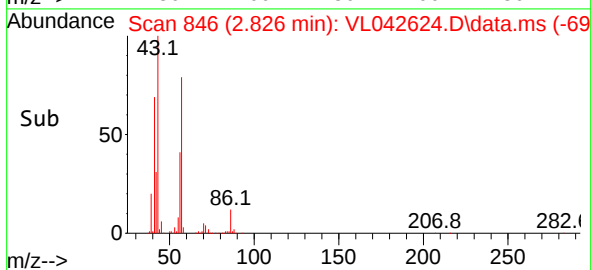
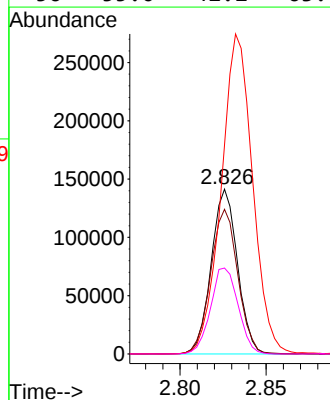
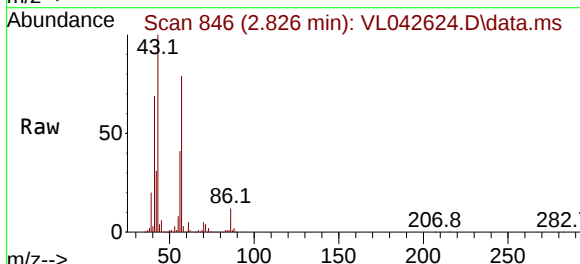
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MSVOA\_L  
ClientSampleId :  
VL0616ABS01

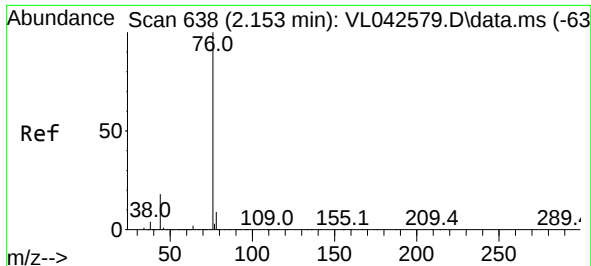
|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion: 43 | Resp: | 348882 |
| Ion | Ratio   | Lower | Upper  |
| 43  | 100     |       |        |
| 45  | 9.6     | 8.2   | 12.2   |
| 61  | 8.7     | 7.1   | 10.7   |
| 70  | 7.8     | 6.4   | 9.6    |



#26  
Hexane  
Concen: 9.338 ppbv  
RT: 2.826 min Scan# 846  
Delta R.T. -0.003 min  
Lab File: VL042624.D  
Acq: 16 Jun 2025 10:29

|             |              |
|-------------|--------------|
| Tgt Ion: 57 | Resp: 149725 |
| Ion Ratio   | Lower Upper  |
| 57 100      |              |
| 41 91.7     | 70.6 106.0   |
| 43 233.3    | 181.1 271.7  |
| 56 55.0     | 42.2 63.4    |

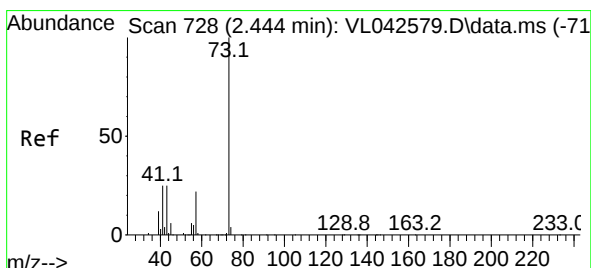
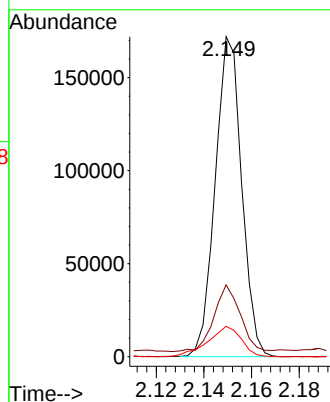
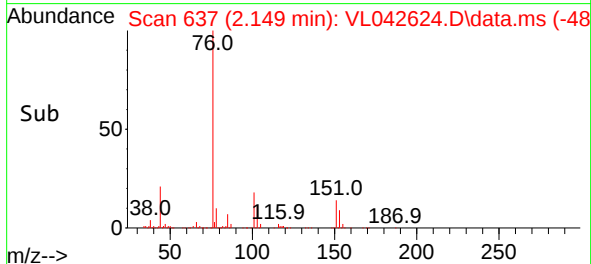
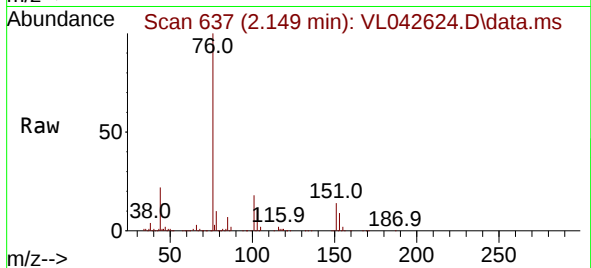




#27  
Carbon Disulfide  
Concen: 10.763 ppbv  
RT: 2.149 min Scan# 61  
Delta R.T. -0.003 min  
Lab File: VL042624.D  
Acq: 16 Jun 2025 10:29

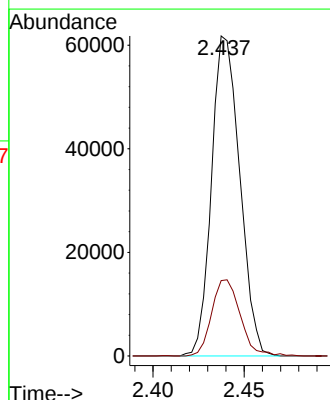
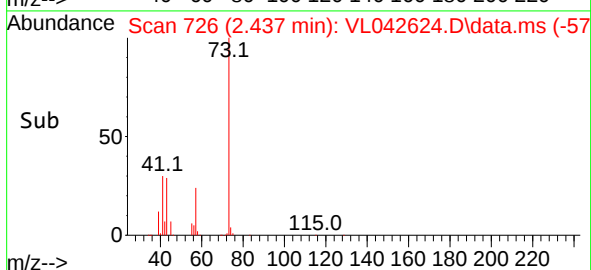
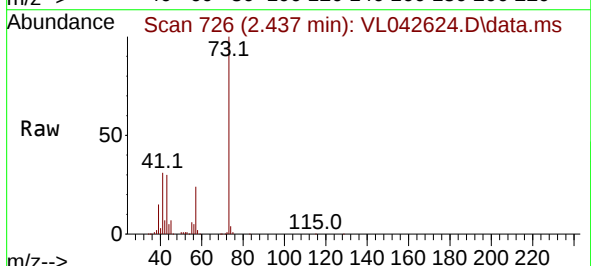
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0616ABS01

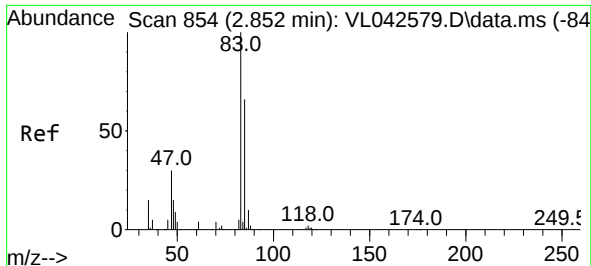
Tgt Ion: 76 Resp: 132478  
Ion Ratio Lower Upper  
76 100  
44 20.8 21.3 31.9#  
78 11.9 9.4 14.0



#28  
Methyl tert-Butyl Ether  
Concen: 10.228 ppbv  
RT: 2.437 min Scan# 726  
Delta R.T. -0.007 min  
Lab File: VL042624.D  
Acq: 16 Jun 2025 10:29

Tgt Ion: 73 Resp: 66546  
Ion Ratio Lower Upper  
73 100  
57 24.1 19.9 29.9

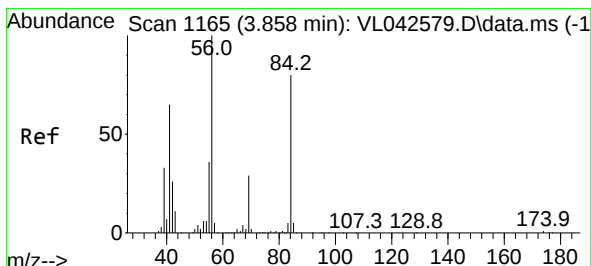
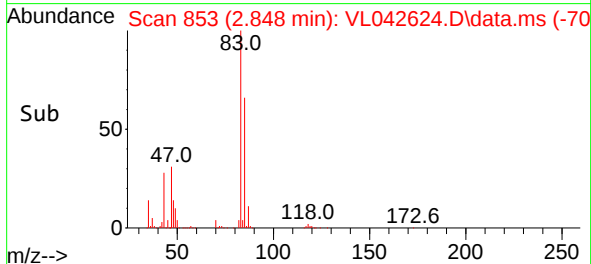
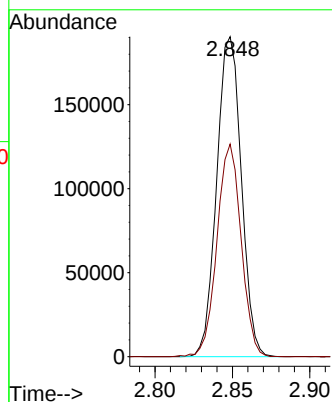
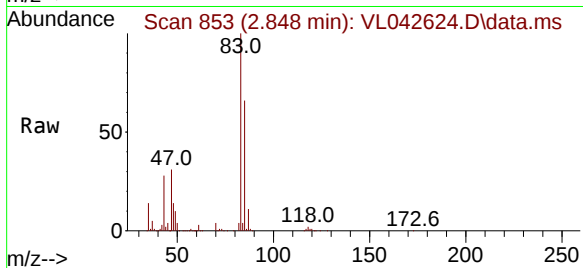




#29  
Chloroform  
Concen: 10.104 ppbv  
RT: 2.848 min Scan# 81  
Delta R.T. -0.003 min  
Lab File: VL042624.D  
Acq: 16 Jun 2025 10:29

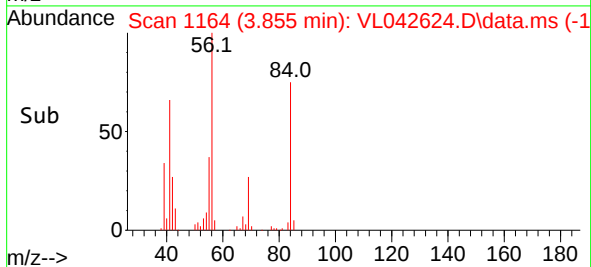
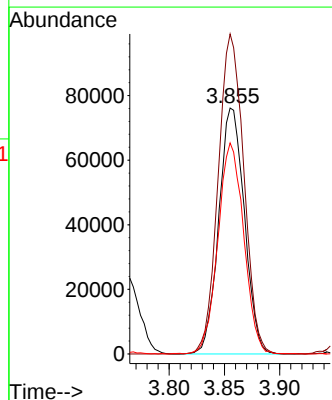
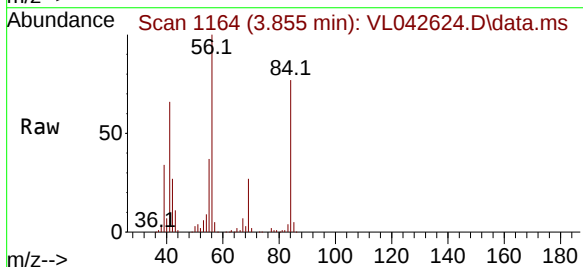
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0616ABS01

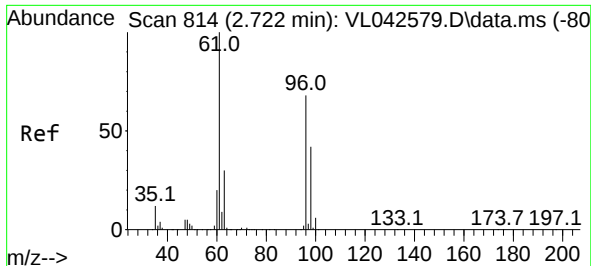
Tgt Ion: 83 Resp: 210668  
Ion Ratio Lower Upper  
83 100  
85 66.4 52.8 79.2



#30  
Cyclohexane  
Concen: 9.213 ppbv  
RT: 3.855 min Scan# 1164  
Delta R.T. -0.003 min  
Lab File: VL042624.D  
Acq: 16 Jun 2025 10:29

Tgt Ion: 84 Resp: 122467  
Ion Ratio Lower Upper  
84 100  
56 130.2 103.7 155.5  
41 86.7 65.1 97.7

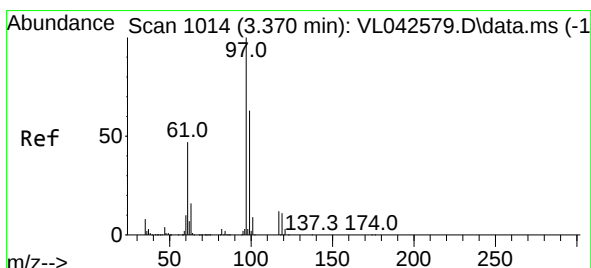
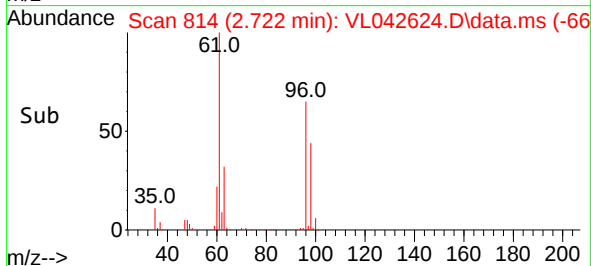
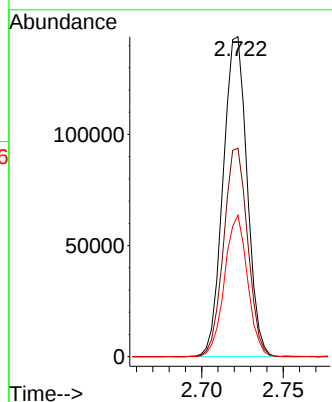
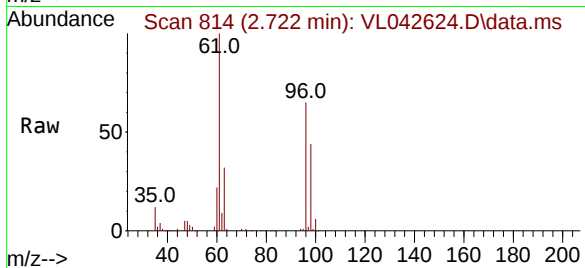




#31  
 cis-1,2-Dichloroethene  
 Concen: 10.037 ppbv  
 RT: 2.722 min Scan# 814  
 Delta R.T. -0.000 min  
 Lab File: VL042624.D  
 Acq: 16 Jun 2025 10:29

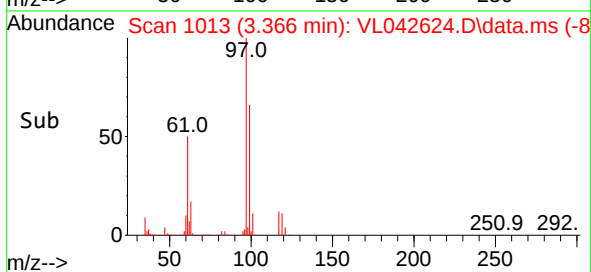
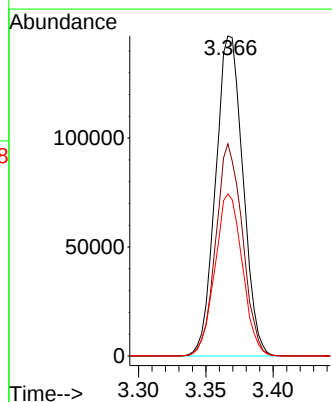
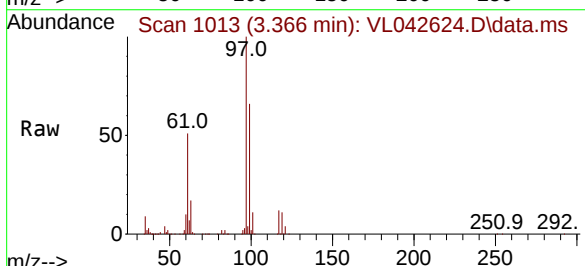
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0616ABS01

Tgt Ion: 61 Resp: 147213  
 Ion Ratio Lower Upper  
 61 100  
 96 65.2 54.5 81.7  
 98 44.2 33.4 50.2



#32  
 1,1,1-Trichloroethane  
 Concen: 9.740 ppbv  
 RT: 3.366 min Scan# 1013  
 Delta R.T. -0.003 min  
 Lab File: VL042624.D  
 Acq: 16 Jun 2025 10:29

Tgt Ion: 97 Resp: 207491  
 Ion Ratio Lower Upper  
 97 100  
 99 64.6 51.0 76.6  
 61 50.9 39.4 59.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.955 min Scan# 1195

Delta R.T. -0.007 min

Lab File: VL042624.D

Acq: 16 Jun 2025 10:29

Instrument :

MSVOA\_L

ClientSampleId :

VL0616ABS01

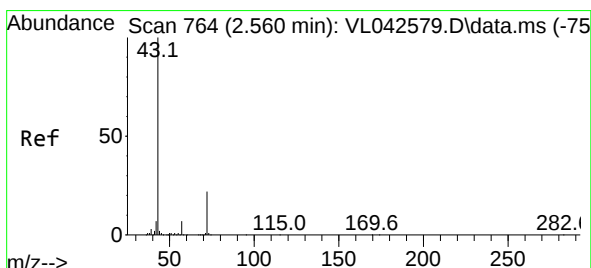
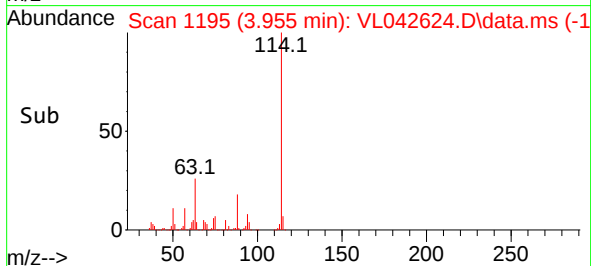
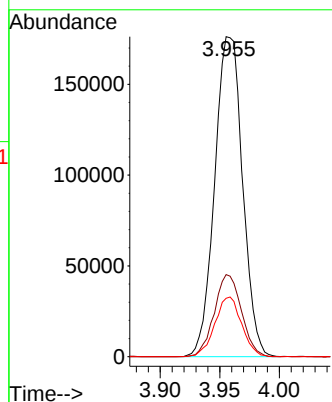
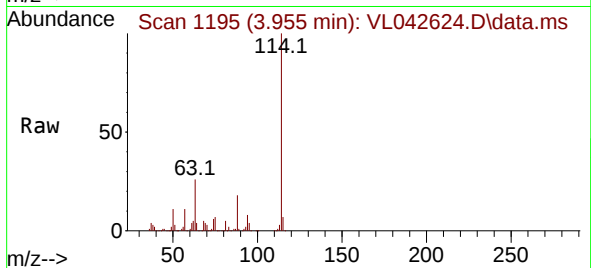
Tgt Ion:114 Resp: 286719

Ion Ratio Lower Upper

114 100

63 25.0 19.0 28.6

88 17.9 13.6 20.4



#34

2-Butanone

Concen: 11.091 ppbv

RT: 2.554 min Scan# 762

Delta R.T. -0.007 min

Lab File: VL042624.D

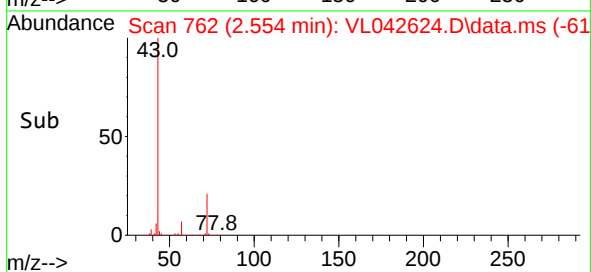
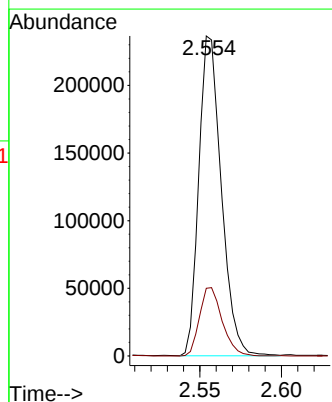
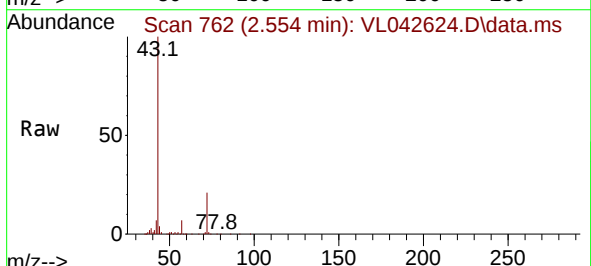
Acq: 16 Jun 2025 10:29

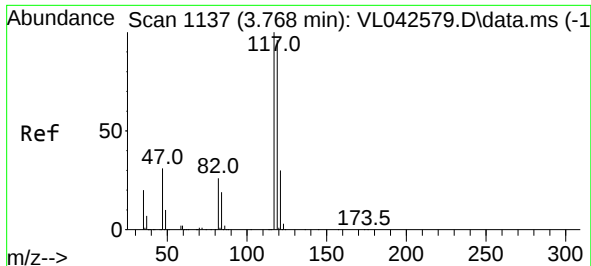
Tgt Ion: 43 Resp: 226773

Ion Ratio Lower Upper

43 100

72 21.6 17.7 26.5

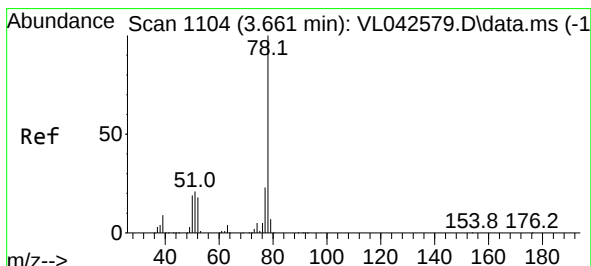
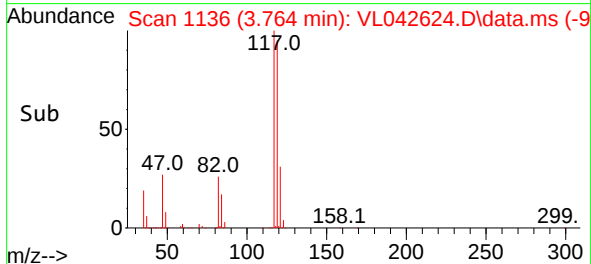
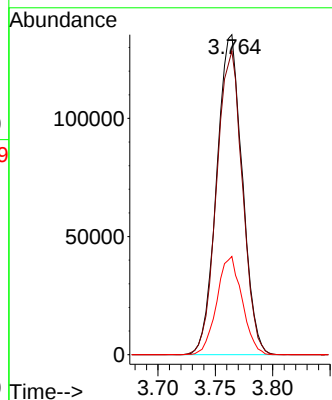
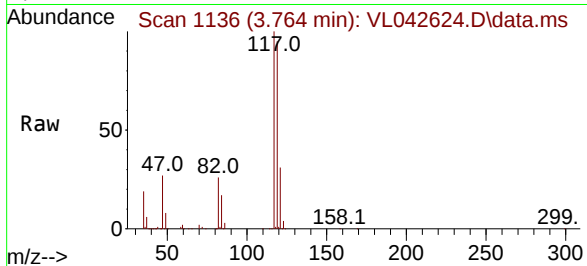




#35  
Carbon Tetrachloride  
Concen: 11.107 ppbv  
RT: 3.764 min Scan# 1136  
Delta R.T. -0.003 min  
Lab File: VL042624.D  
Acq: 16 Jun 2025 10:29

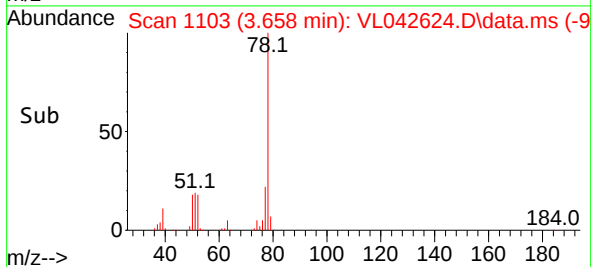
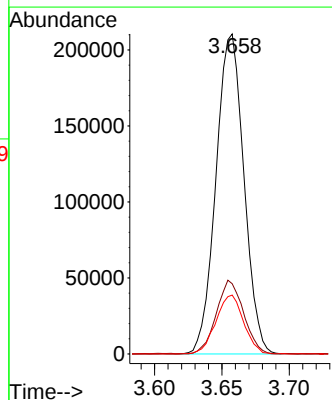
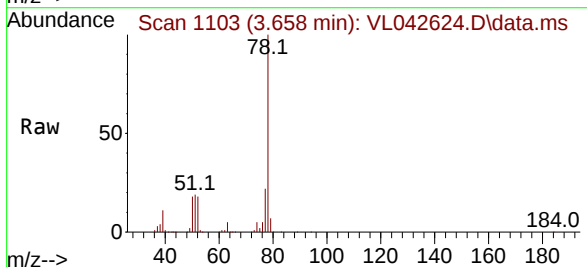
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0616ABS01

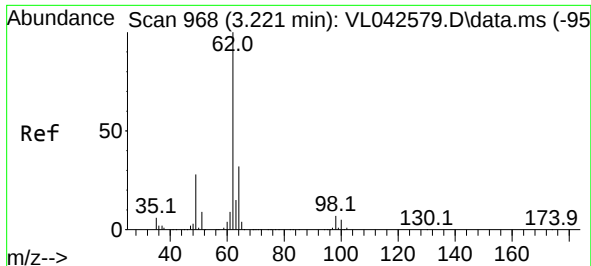
Tgt Ion:117 Resp: 210222  
Ion Ratio Lower Upper  
117 100  
119 94.9 76.8 115.2  
121 30.7 24.3 36.5



#36  
Benzene  
Concen: 10.780 ppbv  
RT: 3.658 min Scan# 1103  
Delta R.T. -0.003 min  
Lab File: VL042624.D  
Acq: 16 Jun 2025 10:29

Tgt Ion: 78 Resp: 304362  
Ion Ratio Lower Upper  
78 100  
77 21.9 18.2 27.2  
50 18.4 15.2 22.8





#37

1,2-Dichloroethane

Concen: 11.680 ppbv

RT: 3.217 min Scan# 9

Delta R.T. -0.003 min

Lab File: VL042624.D

Acq: 16 Jun 2025 10:29

Instrument :

MSVOA\_L

ClientSampleId :

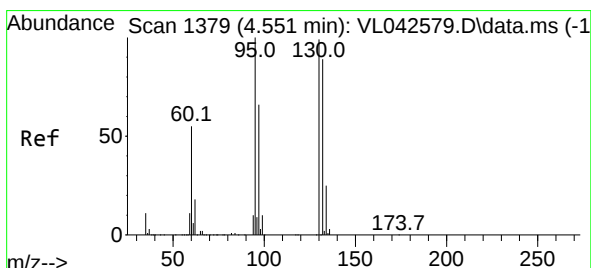
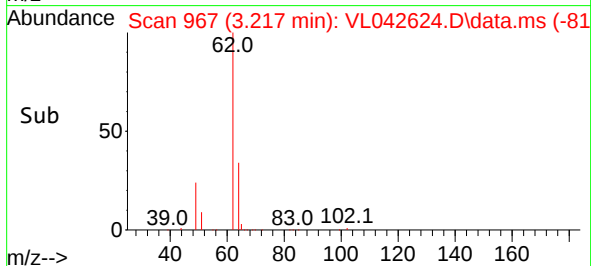
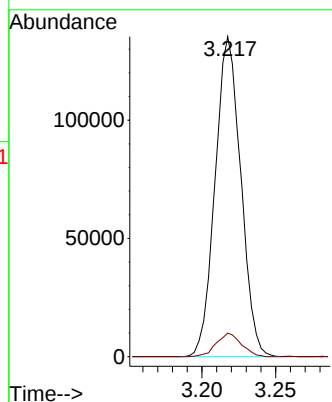
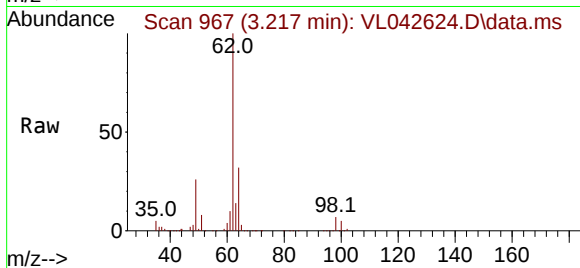
VL0616ABS01

Tgt Ion: 62 Resp: 163904

Ion Ratio Lower Upper

62 100

98 7.2 6.1 9.1



#38

Trichloroethene

Concen: 10.210 ppbv

RT: 4.548 min Scan# 1378

Delta R.T. -0.003 min

Lab File: VL042624.D

Acq: 16 Jun 2025 10:29

Tgt Ion:130 Resp: 122527

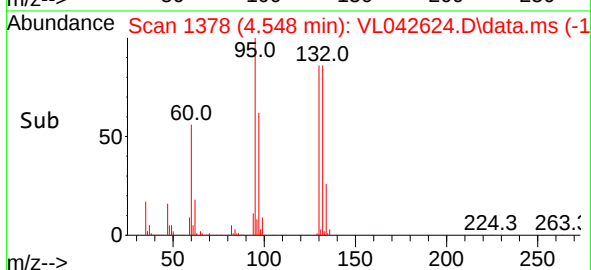
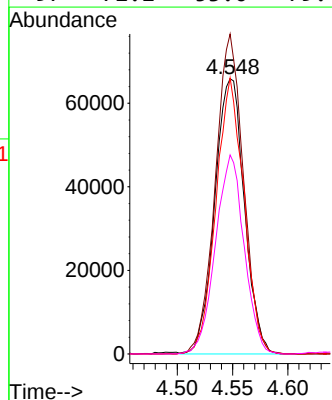
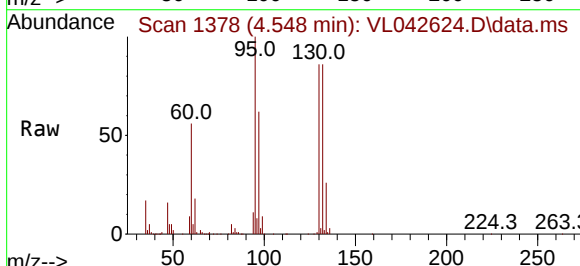
Ion Ratio Lower Upper

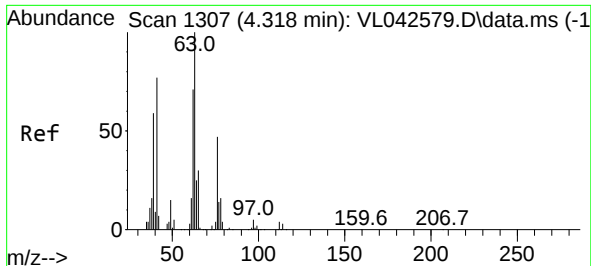
130 100

95 116.0 80.6 121.0

132 100.1 71.8 107.6

97 72.2 53.0 79.4





#39

1,2-Dichloropropane

Concen: 10.579 ppbv

RT: 4.315 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL042624.D

Acq: 16 Jun 2025 10:29

Instrument :

MSVOA\_L

ClientSampleId :

VL0616ABS01

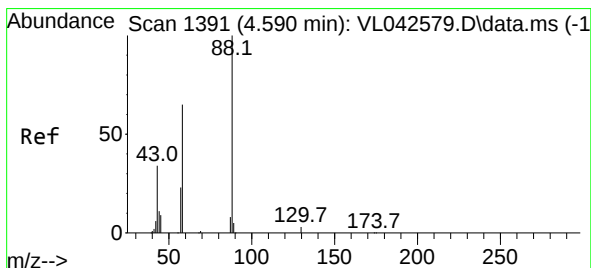
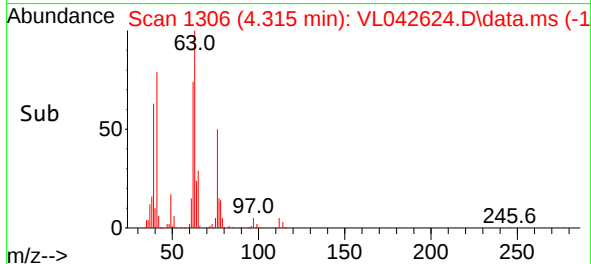
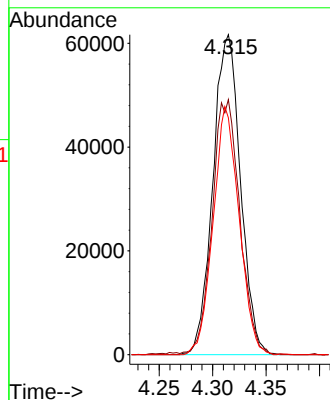
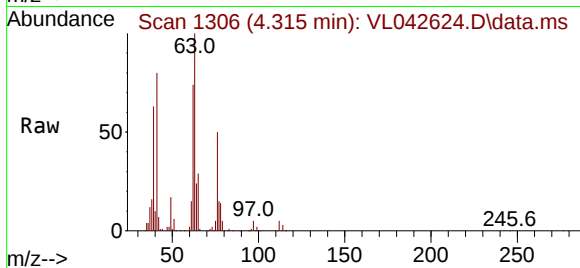
Tgt Ion: 63 Resp: 110459

Ion Ratio Lower Upper

63 100

41 79.5 61.8 92.6

62 74.0 56.6 85.0



#40

1,4-Dioxane

Concen: 10.339 ppbv

RT: 4.577 min Scan# 1387

Delta R.T. -0.013 min

Lab File: VL042624.D

Acq: 16 Jun 2025 10:29

Tgt Ion: 88 Resp: 48307

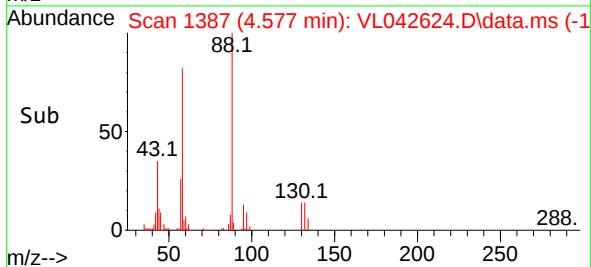
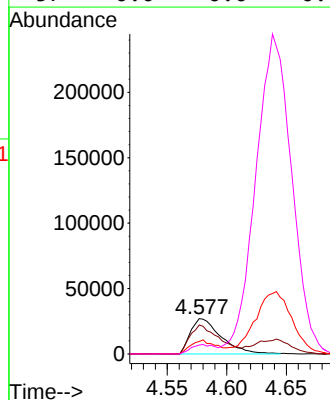
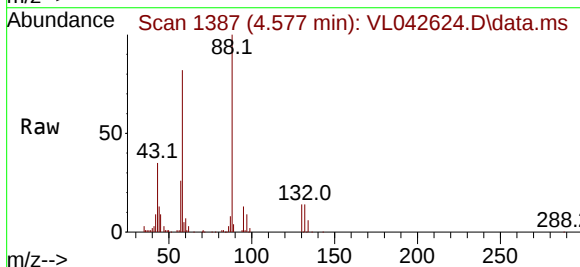
Ion Ratio Lower Upper

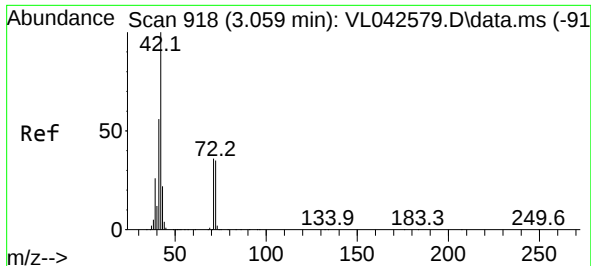
88 100

58 81.6 55.8 83.8

43 31.7 24.8 37.2

57 0.0 0.0 0.0

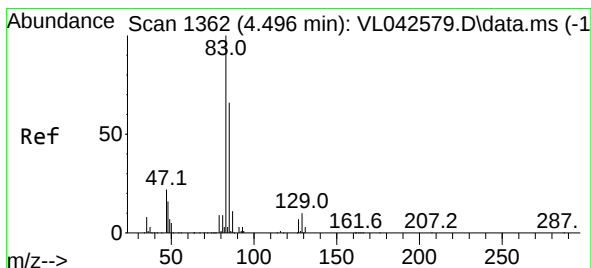
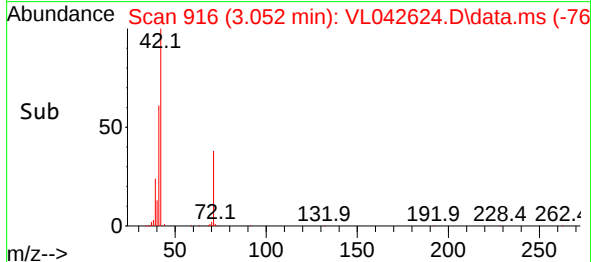
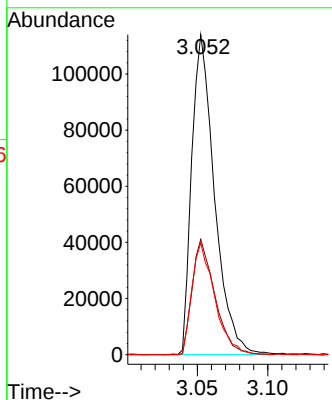
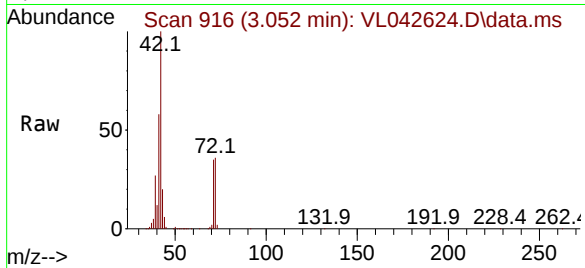




#41  
Tetrahydrofuran  
Concen: 10.699 ppbv  
RT: 3.052 min Scan# 918  
Delta R.T. -0.007 min  
Lab File: VL042624.D  
Acq: 16 Jun 2025 10:29

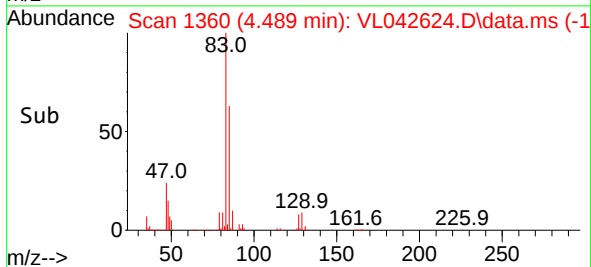
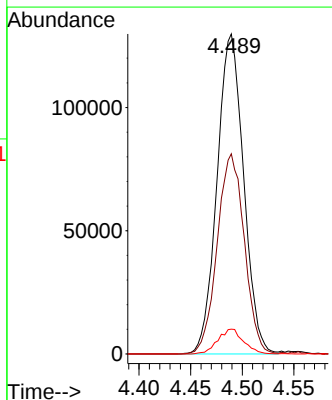
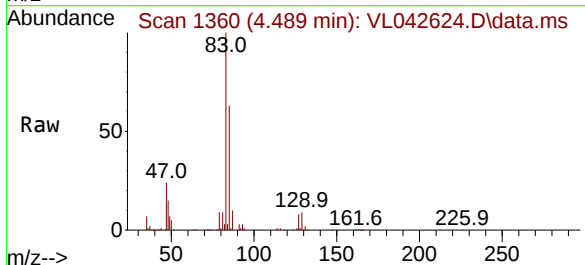
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0616ABS01

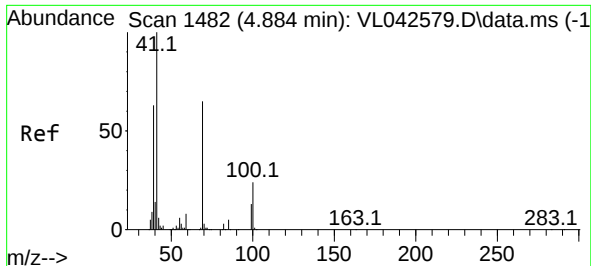
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 42    | Resp: | 128060 |
| Ion      | Ratio | Lower | Upper  |
| 42       | 100   |       |        |
| 72       | 36.0  | 28.9  | 43.3   |
| 71       | 35.0  | 28.5  | 42.7   |



#42  
Bromodichloromethane  
Concen: 11.667 ppbv  
RT: 4.489 min Scan# 1360  
Delta R.T. -0.007 min  
Lab File: VL042624.D  
Acq: 16 Jun 2025 10:29

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 232526 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 62.6  | 52.7  | 79.1   |
| 127      | 7.7   | 5.8   | 8.6    |

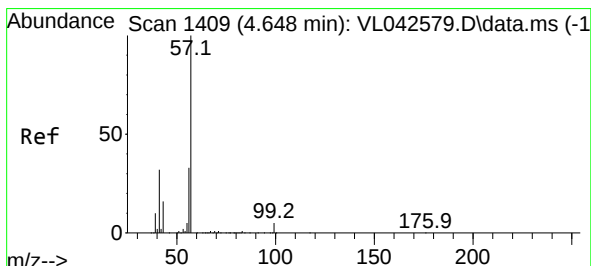
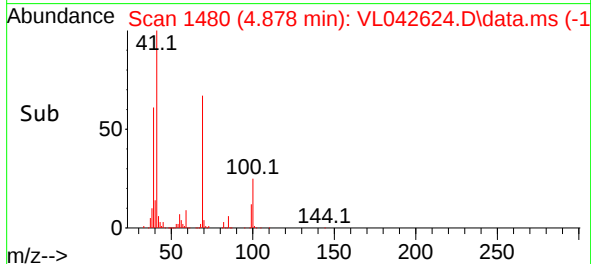
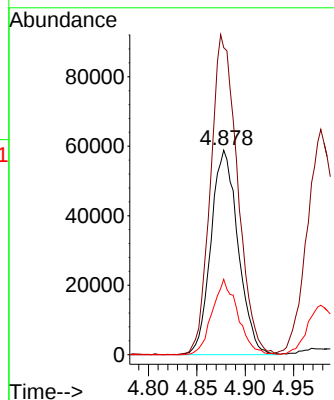
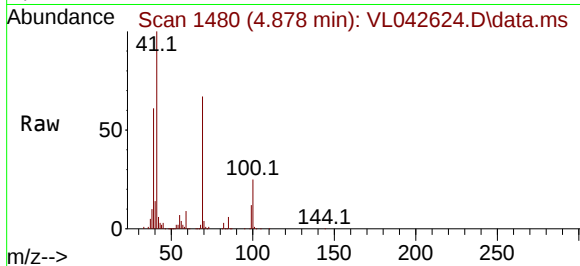




#43  
Methyl Methacrylate  
Concen: 10.474 ppbv  
RT: 4.878 min Scan# 1480  
Delta R.T. -0.007 min  
Lab File: VL042624.D  
Acq: 16 Jun 2025 10:29

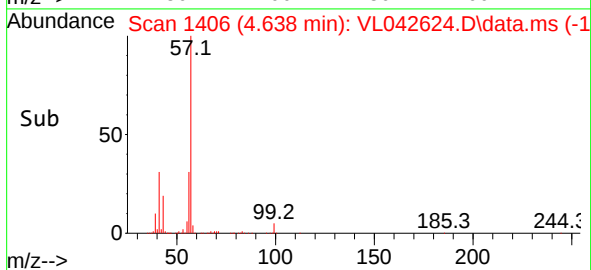
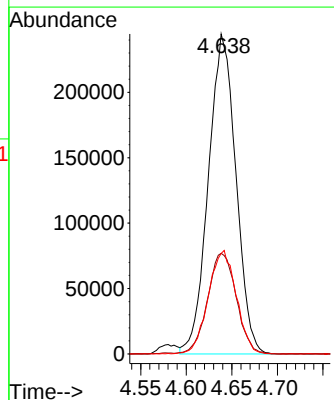
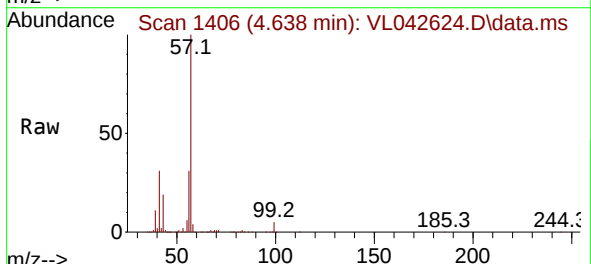
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0616ABS01

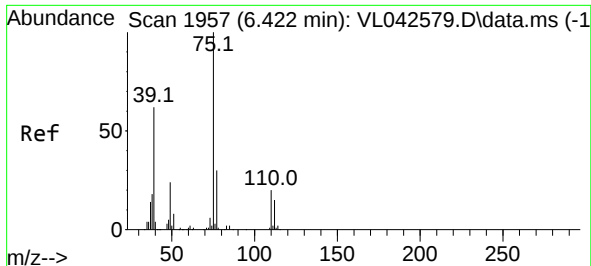
Tgt Ion: 69 Resp: 114782  
Ion Ratio Lower Upper  
69 100  
41 155.7 124.6 187.0  
100 35.0 29.9 44.9



#44  
2,2,4-Trimethylpentane  
Concen: 10.650 ppbv  
RT: 4.638 min Scan# 1406  
Delta R.T. -0.010 min  
Lab File: VL042624.D  
Acq: 16 Jun 2025 10:29

Tgt Ion: 57 Resp: 514353  
Ion Ratio Lower Upper  
57 100  
41 33.1 26.1 39.1  
56 32.9 25.9 38.9

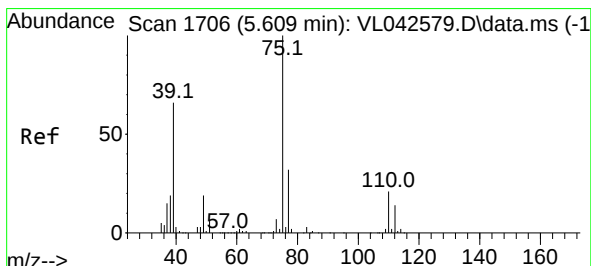
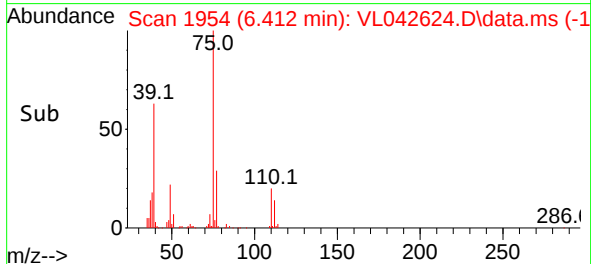
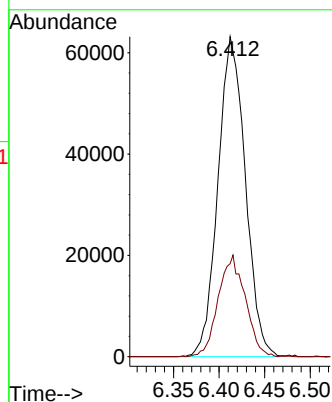
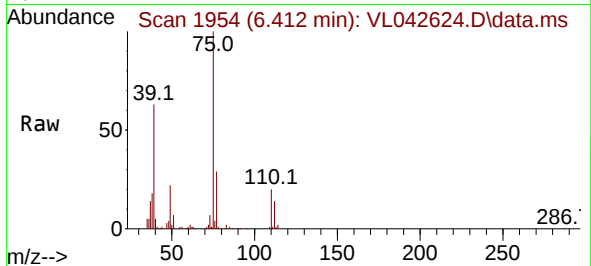




#45  
 t-1,3-Dichloropropene  
 Concen: 10.542 ppbv  
 RT: 6.412 min Scan# 1957  
 Delta R.T. -0.010 min  
 Lab File: VL042624.D  
 Acq: 16 Jun 2025 10:29

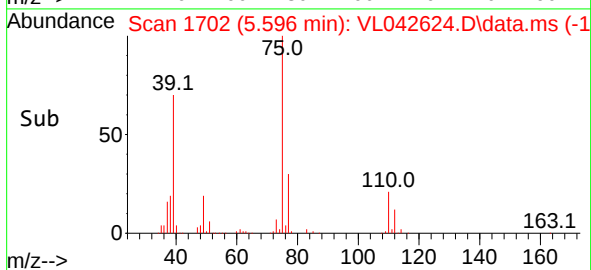
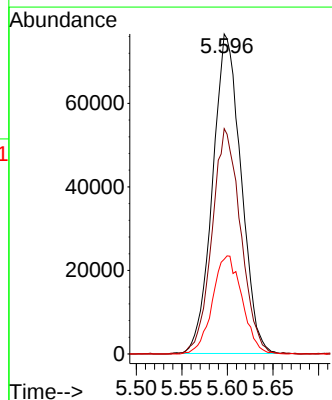
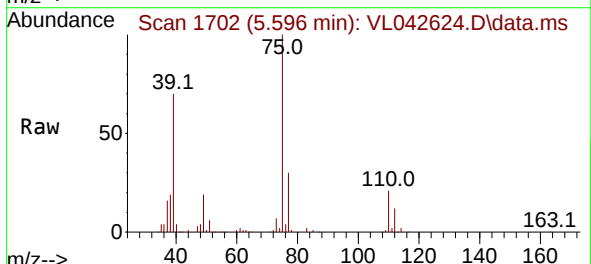
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0616ABS01

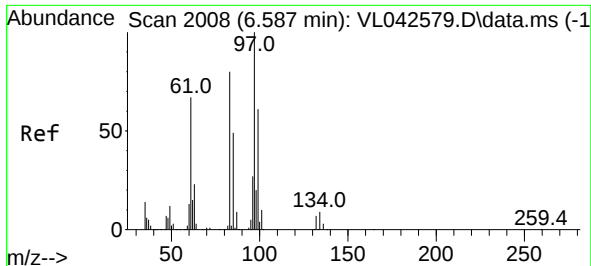
Tgt Ion: 75 Resp: 132193  
 Ion Ratio Lower Upper  
 75 100  
 77 29.1 24.2 36.2



#46  
 cis-1,3-Dichloropropene  
 Concen: 10.565 ppbv  
 RT: 5.596 min Scan# 1702  
 Delta R.T. -0.013 min  
 Lab File: VL042624.D  
 Acq: 16 Jun 2025 10:29

Tgt Ion: 75 Resp: 166004  
 Ion Ratio Lower Upper  
 75 100  
 39 70.4 52.7 79.1  
 77 29.7 25.8 38.8

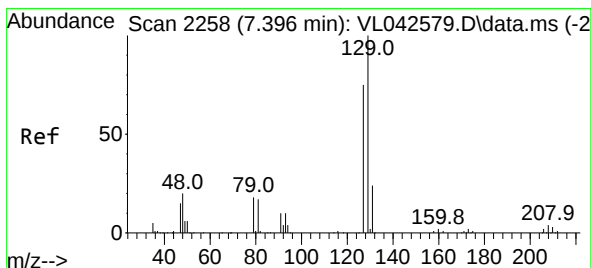
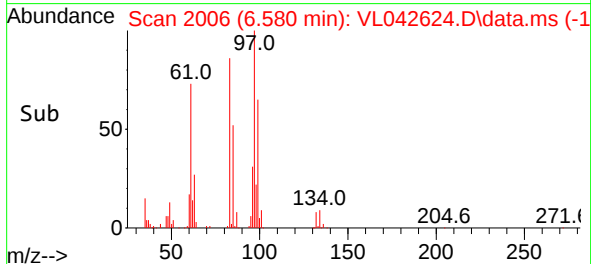
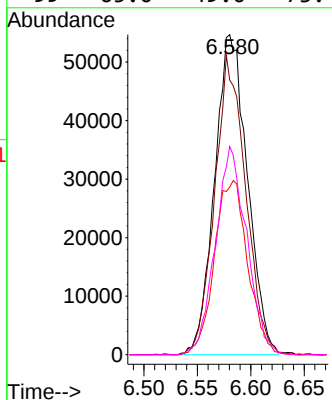
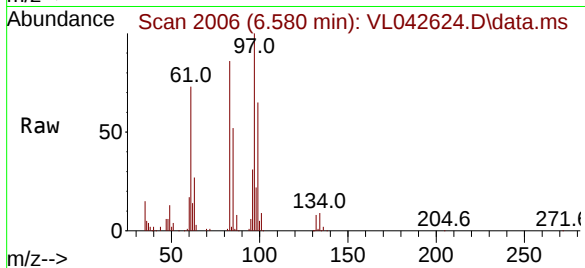




#47  
 1,1,2-Trichloroethane  
 Concen: 10.792 ppbv  
 RT: 6.580 min Scan# 2006  
 Delta R.T. -0.007 min  
 Lab File: VL042624.D  
 Acq: 16 Jun 2025 10:29

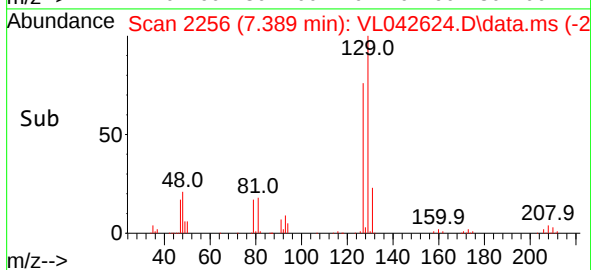
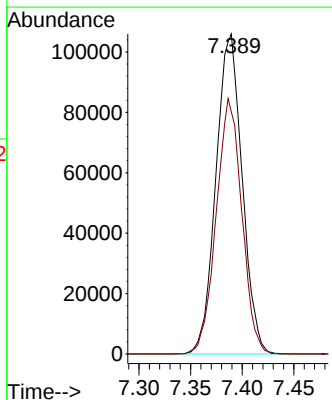
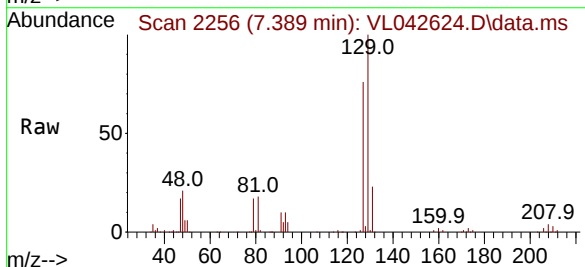
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0616ABS01

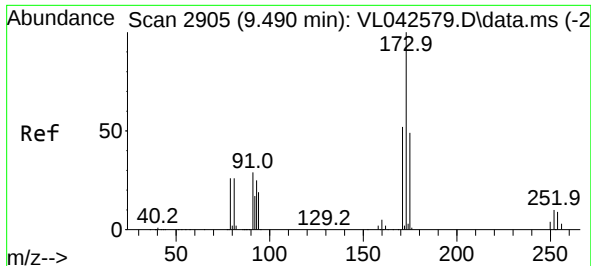
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 116650 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 85.8  | 63.9  | 95.9   |
| 85       | 52.4  | 39.2  | 58.8   |
| 99       | 65.0  | 49.0  | 73.4   |



#48  
 Dibromochloromethane  
 Concen: 10.821 ppbv  
 RT: 7.389 min Scan# 2256  
 Delta R.T. -0.007 min  
 Lab File: VL042624.D  
 Acq: 16 Jun 2025 10:29

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 129   | Resp: | 187227 |
| Ion      | Ratio | Lower | Upper  |
| 129      | 100   |       |        |
| 127      | 77.9  | 39.0  | 116.9  |

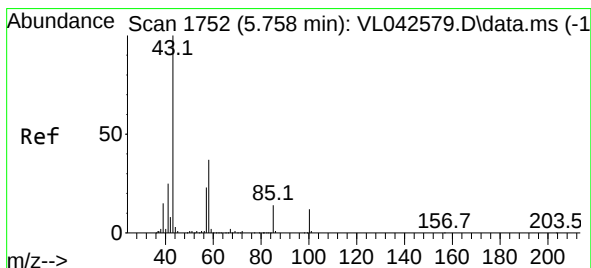
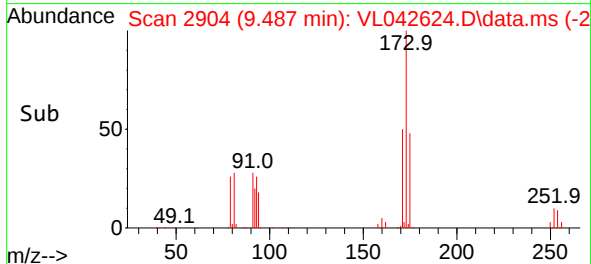
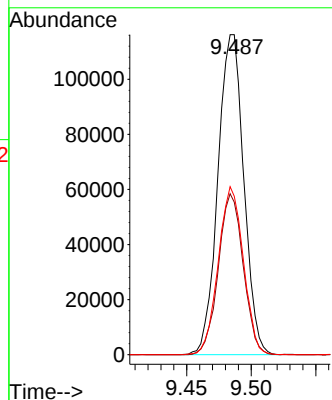
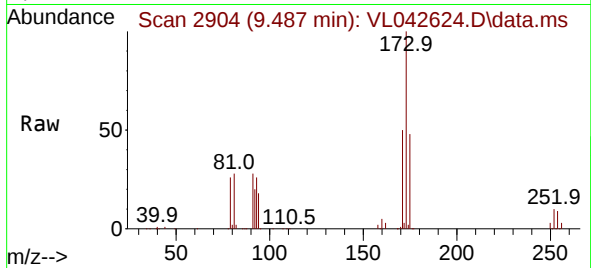




#49  
Bromoform  
Concen: 10.844 ppbv  
RT: 9.487 min Scan# 2904  
Delta R.T. -0.003 min  
Lab File: VL042624.D  
Acq: 16 Jun 2025 10:29

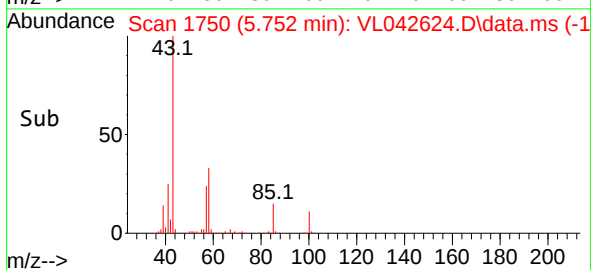
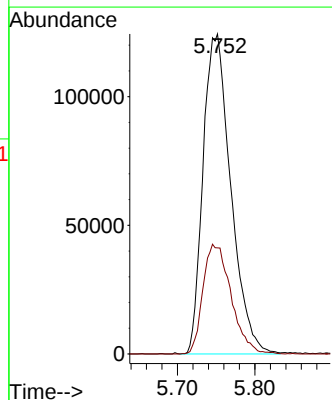
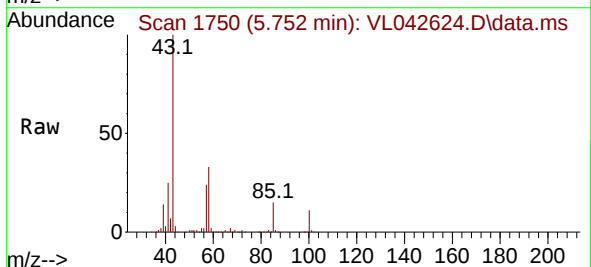
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0616ABS01

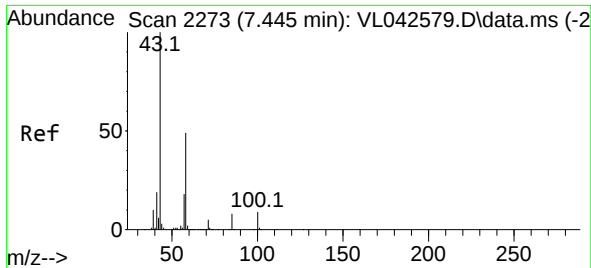
Tgt Ion:173 Resp: 161902  
Ion Ratio Lower Upper  
173 100  
175 48.3 38.7 58.1  
171 50.9 41.2 61.8



#50  
4-Methyl-2-Pentanone  
Concen: 10.917 ppbv  
RT: 5.752 min Scan# 1750  
Delta R.T. -0.007 min  
Lab File: VL042624.D  
Acq: 16 Jun 2025 10:29

Tgt Ion: 43 Resp: 309608  
Ion Ratio Lower Upper  
43 100  
58 34.7 28.3 42.5

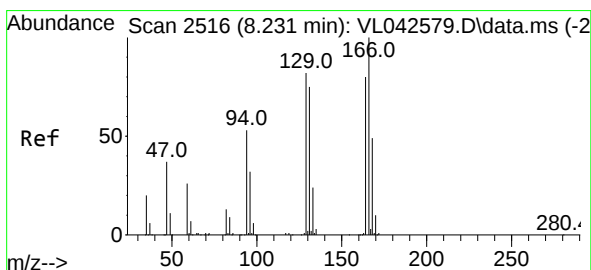
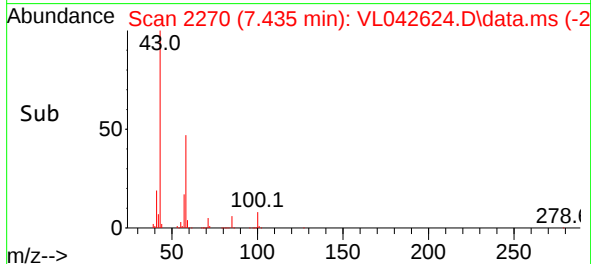
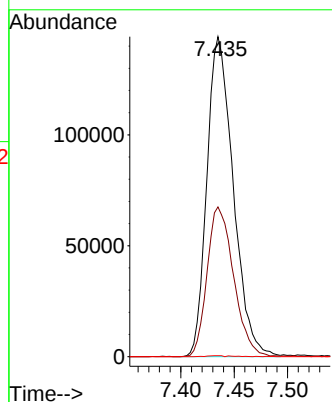
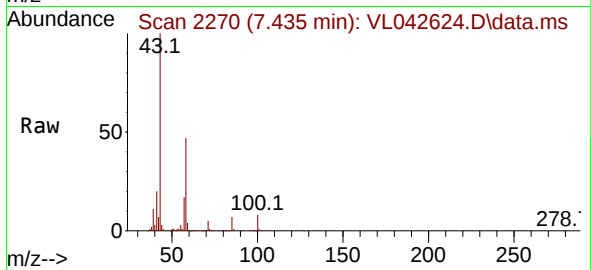




#51  
2-Hexanone  
Concen: 10.989 ppbv  
RT: 7.435 min Scan# 21  
Delta R.T. -0.010 min  
Lab File: VL042624.D  
Acq: 16 Jun 2025 10:29

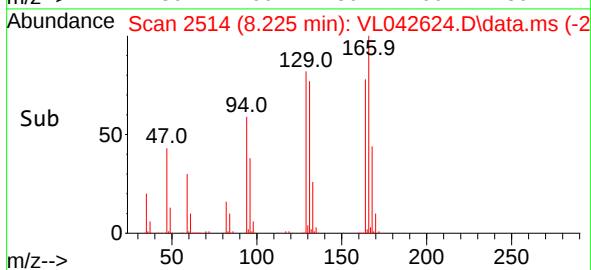
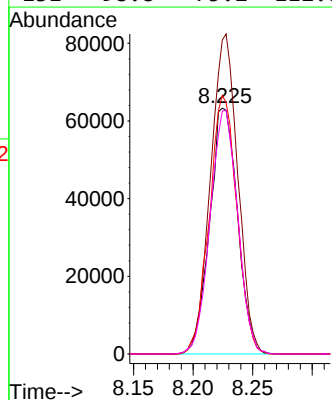
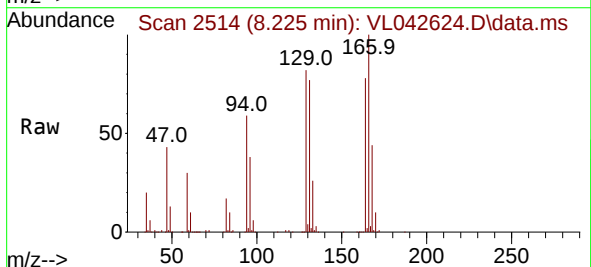
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0616ABS01

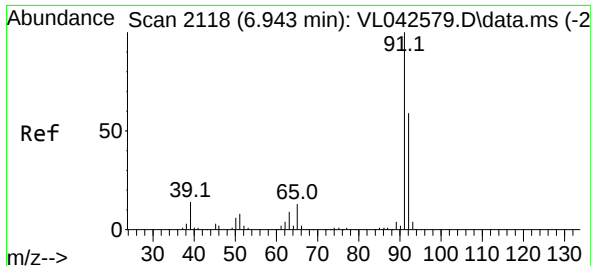
Tgt Ion: 43 Resp: 247186  
Ion Ratio Lower Upper  
43 100  
58 47.5 39.9 59.9  
98 0.3 0.1 0.1#



#52  
Tetrachloroethene  
Concen: 9.728 ppbv  
RT: 8.225 min Scan# 2514  
Delta R.T. -0.007 min  
Lab File: VL042624.D  
Acq: 16 Jun 2025 10:29

Tgt Ion: 164 Resp: 102638  
Ion Ratio Lower Upper  
164 100  
166 127.7 100.0 150.0  
129 105.2 82.2 123.4  
131 98.8 75.2 112.8

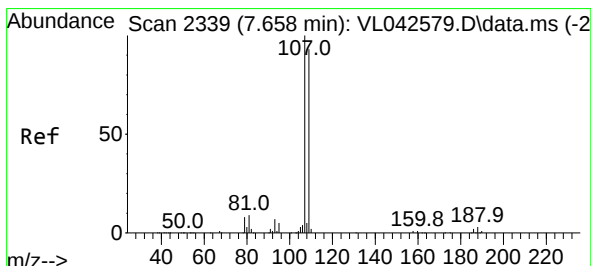
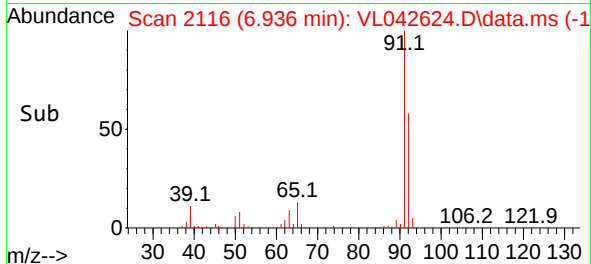
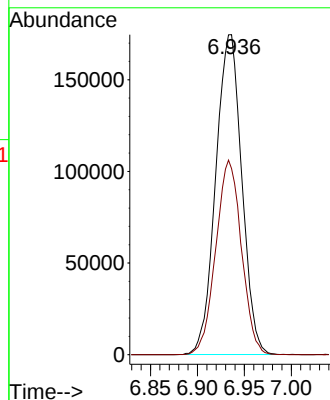
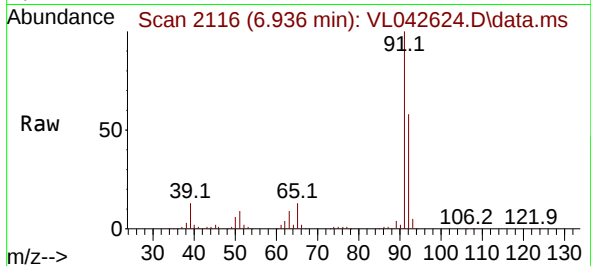




#53  
Toluene  
Concen: 10.328 ppbv  
RT: 6.936 min Scan# 2118  
Delta R.T. -0.007 min  
Lab File: VL042624.D  
Acq: 16 Jun 2025 10:29

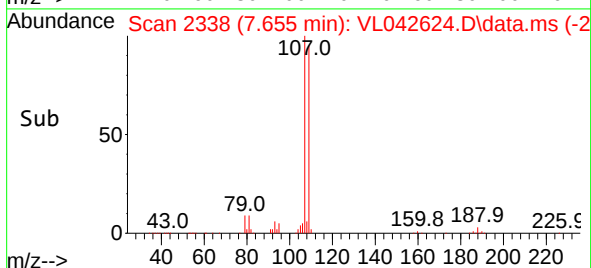
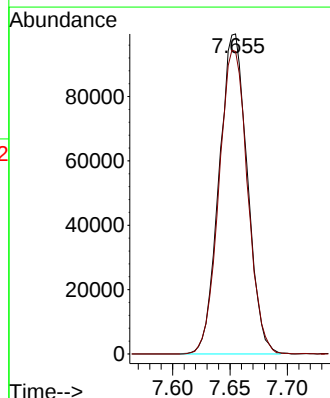
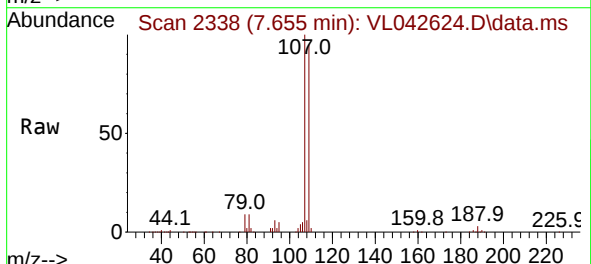
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0616ABS01

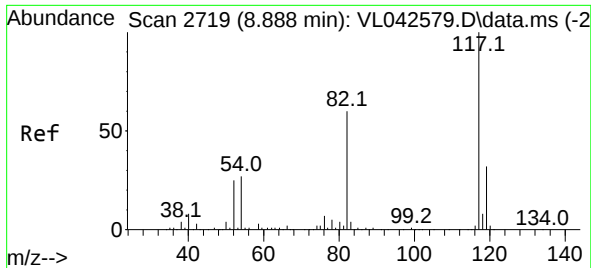
Tgt Ion: 91 Resp: 337046  
Ion Ratio Lower Upper  
91 100  
92 59.8 48.2 72.4



#54  
1,2-Dibromoethane  
Concen: 10.630 ppbv  
RT: 7.655 min Scan# 2338  
Delta R.T. -0.003 min  
Lab File: VL042624.D  
Acq: 16 Jun 2025 10:29

Tgt Ion: 107 Resp: 170053  
Ion Ratio Lower Upper  
107 100  
109 94.6 74.3 111.5

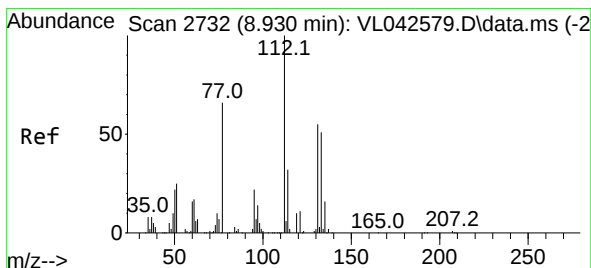
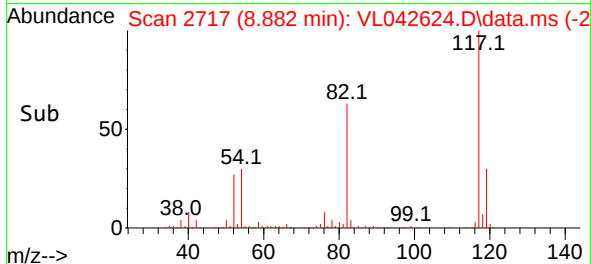
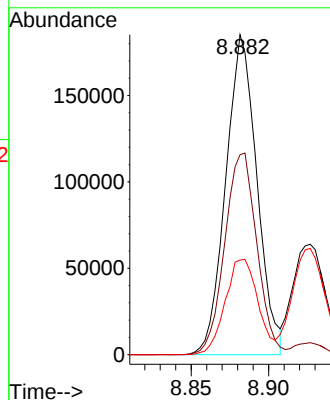
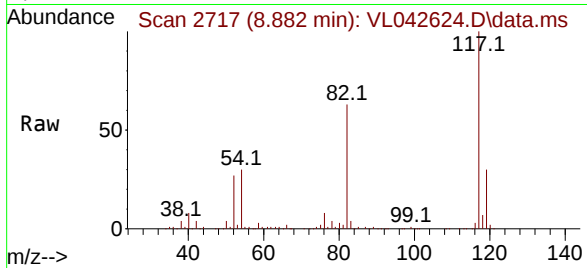




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 8.882 min Scan# 21  
Delta R.T. -0.007 min  
Lab File: VL042624.D  
Acq: 16 Jun 2025 10:29

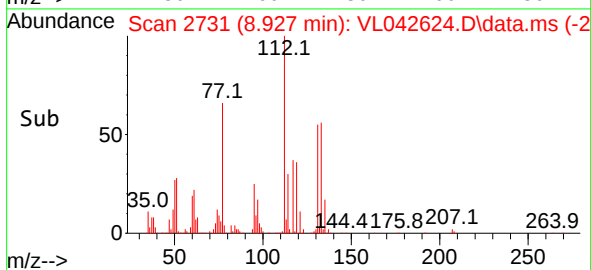
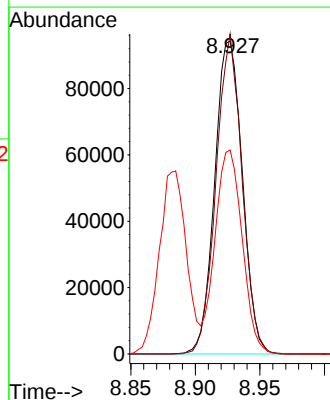
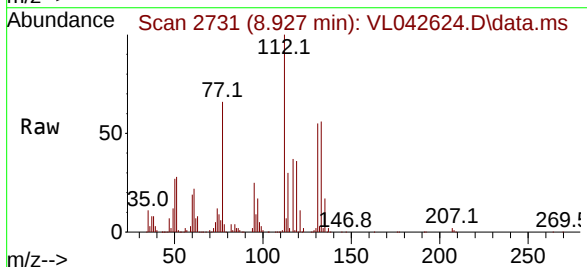
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0616ABS01

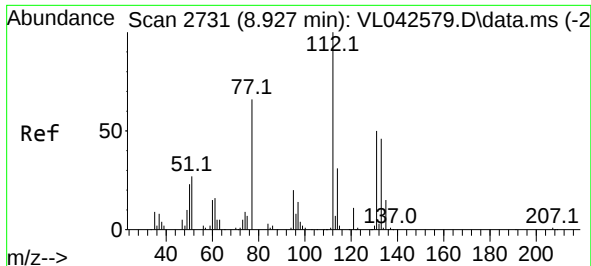
Tgt Ion:117 Resp: 259461  
Ion Ratio Lower Upper  
117 100  
82 68.7 51.2 76.8  
119 32.4 26.3 39.5



#56  
1,1,1,2-Tetrachloroethane  
Concen: 10.780 ppbv  
RT: 8.927 min Scan# 2731  
Delta R.T. -0.003 min  
Lab File: VL042624.D  
Acq: 16 Jun 2025 10:29

Tgt Ion:131 Resp: 140643  
Ion Ratio Lower Upper  
131 100  
133 95.7 75.0 112.6  
119 65.1 50.8 76.2

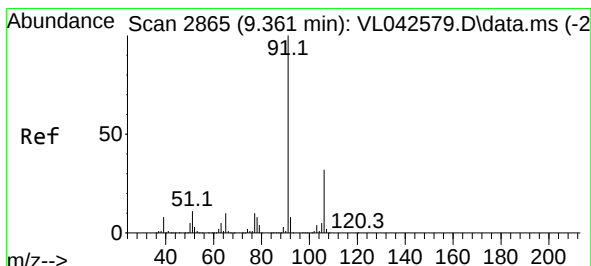
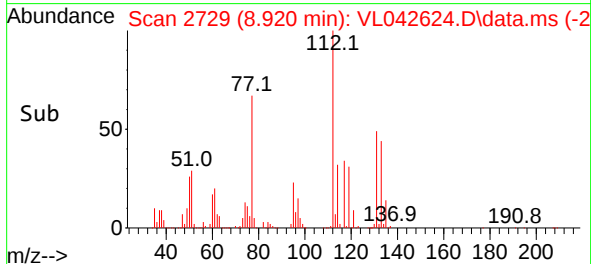
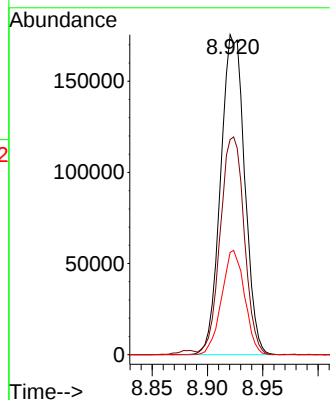
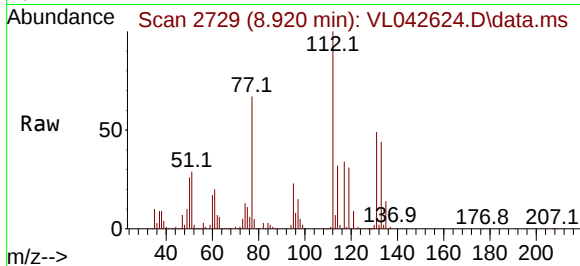




#57  
Chlorobenzene  
Concen: 10.515 ppbv  
RT: 8.920 min Scan# 21  
Delta R.T. -0.007 min  
Lab File: VL042624.D  
Acq: 16 Jun 2025 10:29

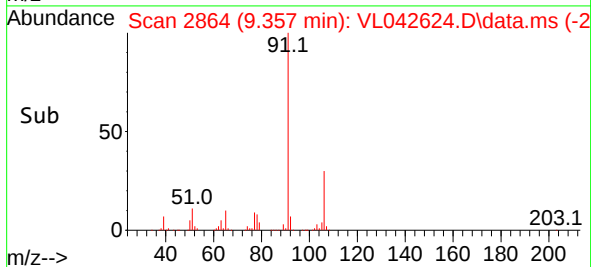
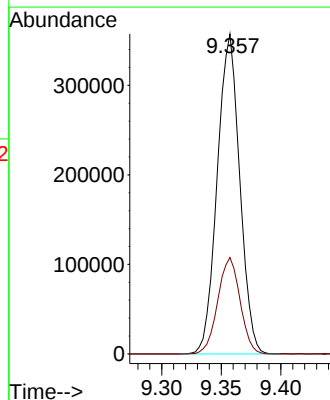
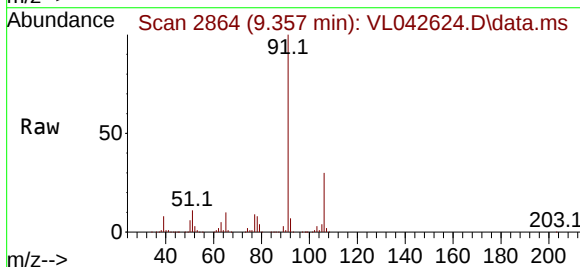
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0616ABS01

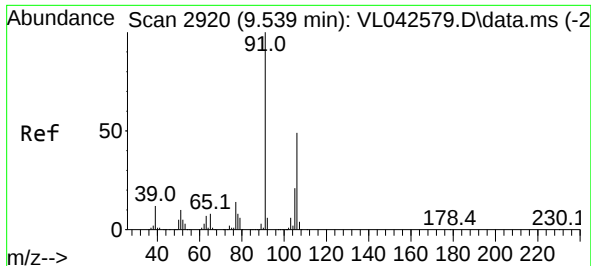
Tgt Ion:112 Resp: 264897  
Ion Ratio Lower Upper  
112 100  
77 67.3 53.5 80.3  
114 31.9 27.8 34.0



#58  
Ethyl Benzene  
Concen: 10.634 ppbv  
RT: 9.357 min Scan# 2864  
Delta R.T. -0.003 min  
Lab File: VL042624.D  
Acq: 16 Jun 2025 10:29

Tgt Ion: 91 Resp: 467998  
Ion Ratio Lower Upper  
91 100  
106 30.2 25.9 38.9





#59

m/p-Xylene

Concen: 10.934 ppbv

RT: 9.532 min Scan# 2918

Delta R.T. -0.007 min

Lab File: VL042624.D

Acq: 16 Jun 2025 10:29

Instrument :

MSVOA\_L

ClientSampleId :

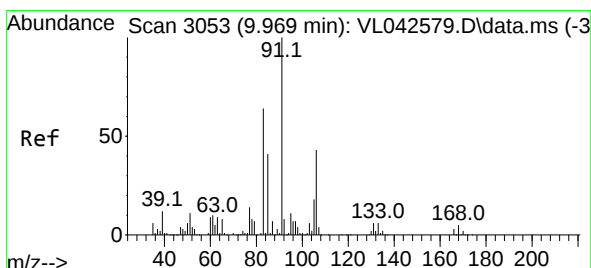
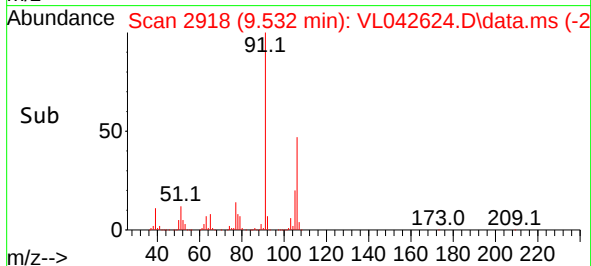
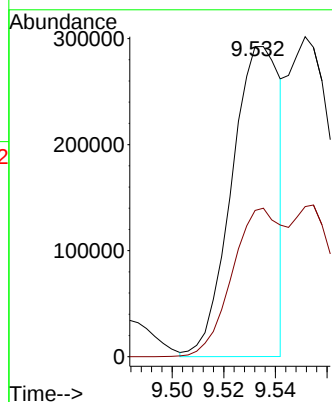
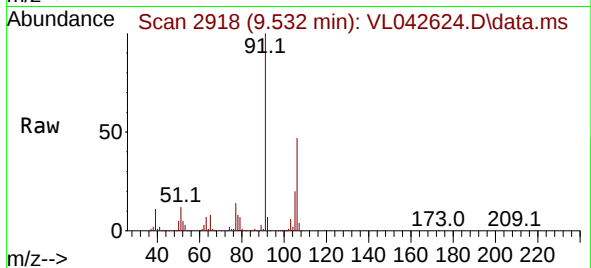
VL0616ABS01

Tgt Ion: 91 Resp: 378682

Ion Ratio Lower Upper

91 100

106 0.0 38.8 58.2#



#60

o-Xylene

Concen: 10.704 ppbv

RT: 9.966 min Scan# 3052

Delta R.T. -0.003 min

Lab File: VL042624.D

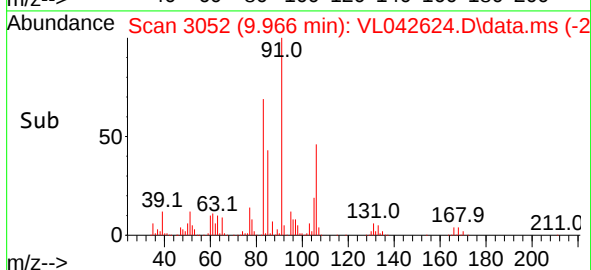
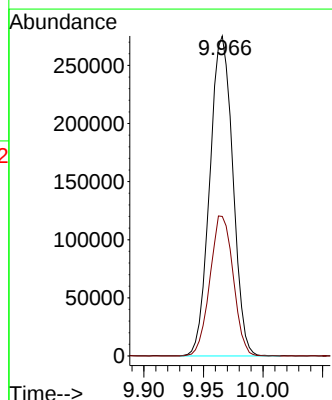
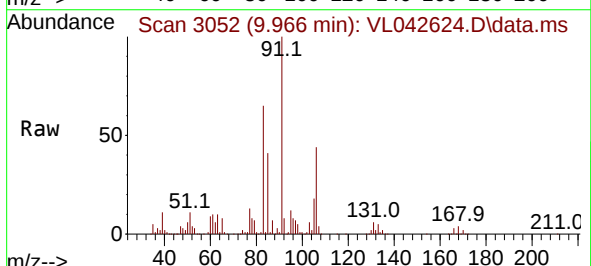
Acq: 16 Jun 2025 10:29

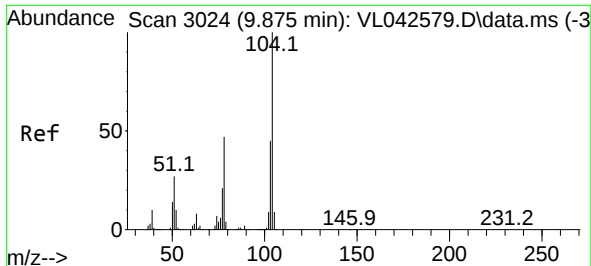
Tgt Ion: 91 Resp: 369758

Ion Ratio Lower Upper

91 100

106 44.2 22.9 68.5

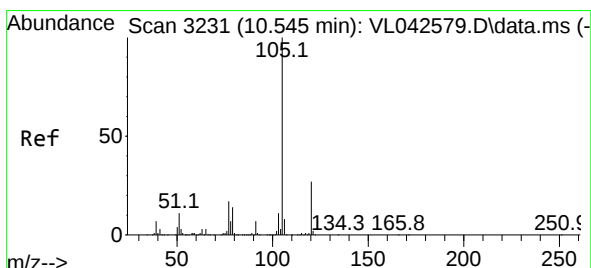
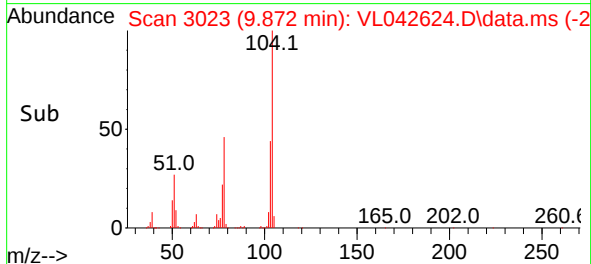
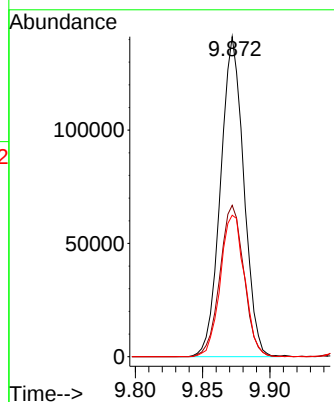
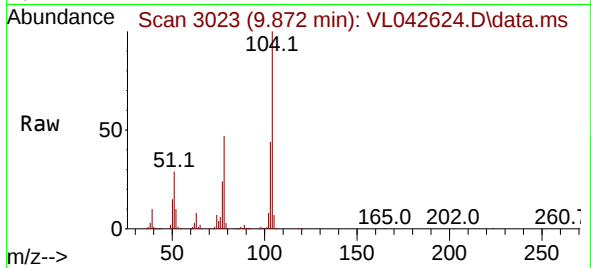




#61  
Styrene  
Concen: 10.371 ppbv  
RT: 9.872 min Scan# 3024  
Delta R.T. -0.003 min  
Lab File: VL042624.D  
Acq: 16 Jun 2025 10:29

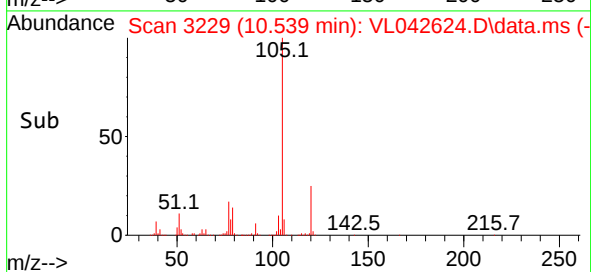
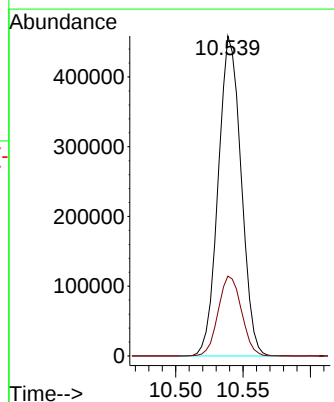
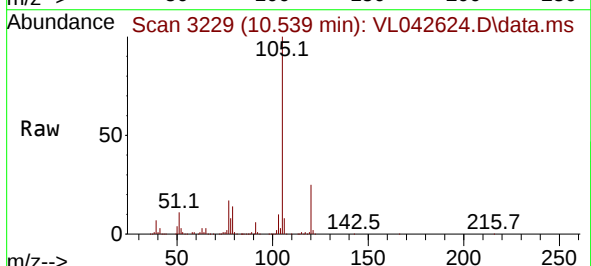
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0616ABS01

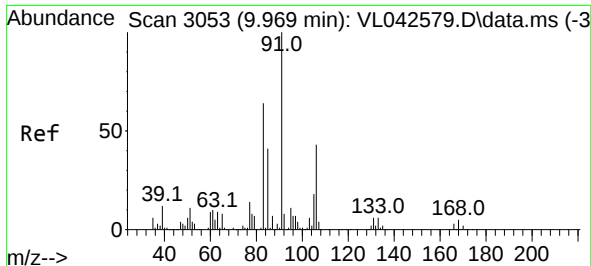
Tgt Ion:104 Resp: 169386  
Ion Ratio Lower Upper  
104 100  
78 48.8 38.2 57.4  
103 46.1 36.7 55.1



#62  
Isopropylbenzene  
Concen: 10.613 ppbv  
RT: 10.539 min Scan# 3229  
Delta R.T. -0.007 min  
Lab File: VL042624.D  
Acq: 16 Jun 2025 10:29

Tgt Ion:105 Resp: 541625  
Ion Ratio Lower Upper  
105 100  
120 25.4 20.9 31.3

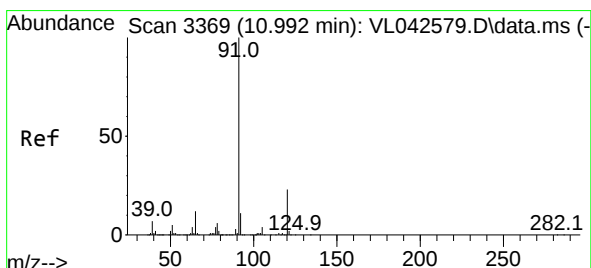
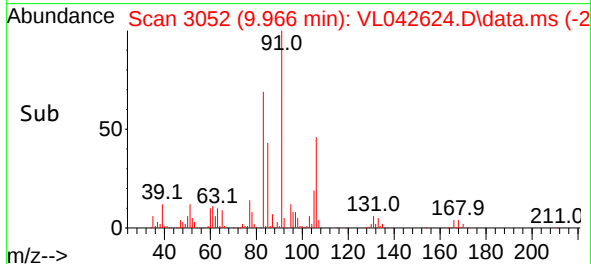
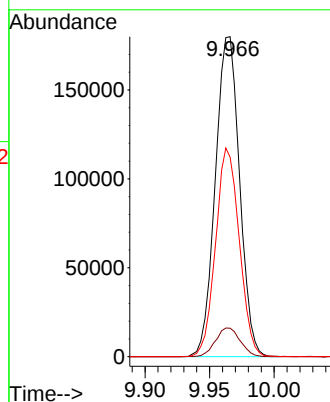
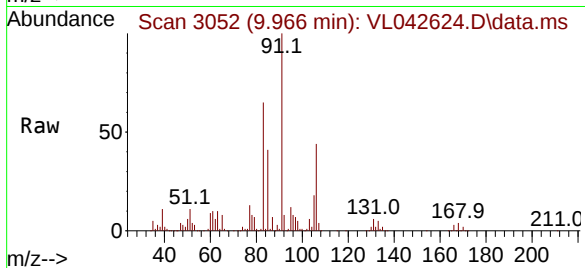




#63  
1,1,2,2-Tetrachloroethane  
Concen: 10.704 ppbv  
RT: 9.966 min Scan# 3053  
Delta R.T. -0.003 min  
Lab File: VL042624.D  
Acq: 16 Jun 2025 10:29

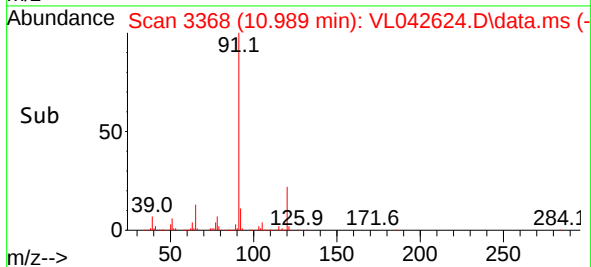
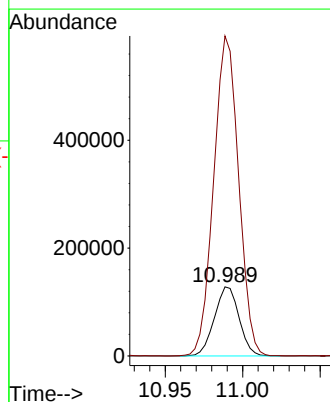
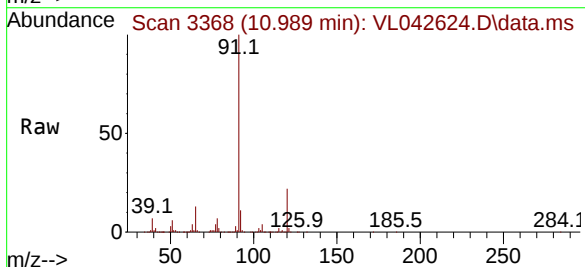
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0616ABS01

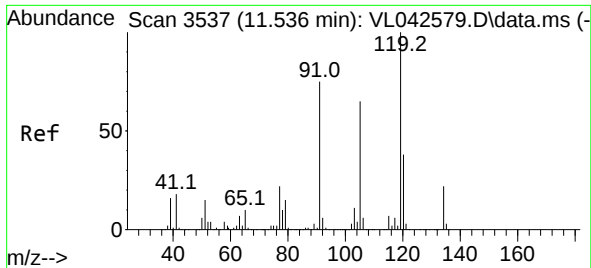
Tgt Ion: 83 Resp: 235113  
Ion Ratio Lower Upper  
83 100  
131 9.2 4.8 14.4  
85 63.6 32.5 97.4



#64  
n-propylbenzene  
Concen: 10.363 ppbv  
RT: 10.989 min Scan# 3368  
Delta R.T. -0.003 min  
Lab File: VL042624.D  
Acq: 16 Jun 2025 10:29

Tgt Ion: 120 Resp: 141765  
Ion Ratio Lower Upper  
120 100  
91 468.6 363.0 544.6

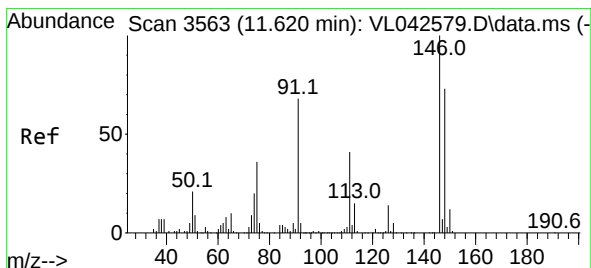
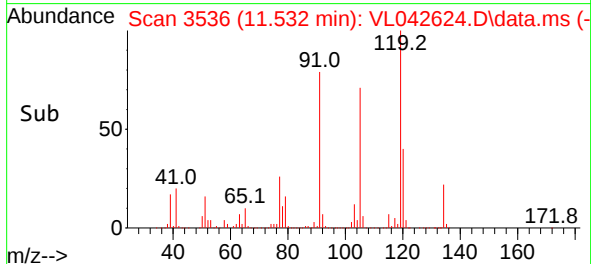
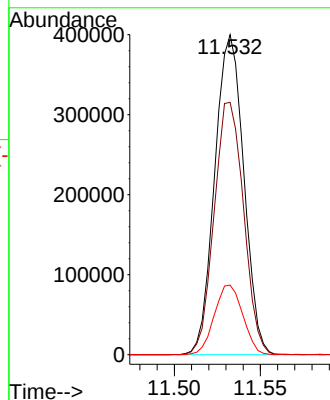
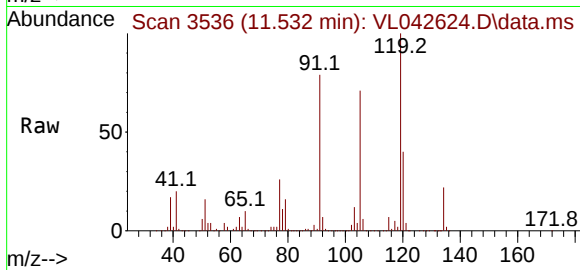




#65  
tert-Butylbenzene  
Concen: 10.134 ppbv  
RT: 11.532 min Scan# 3536  
Delta R.T. -0.003 min  
Lab File: VL042624.D  
Acq: 16 Jun 2025 10:29

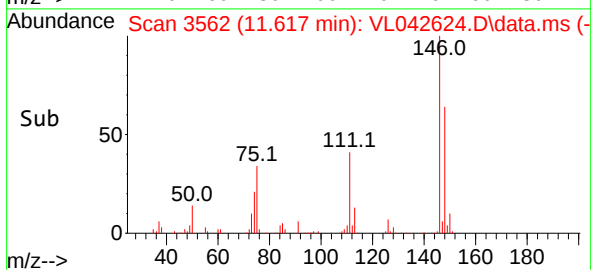
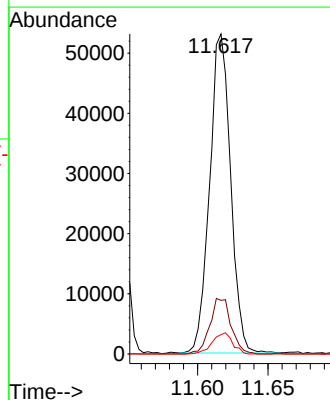
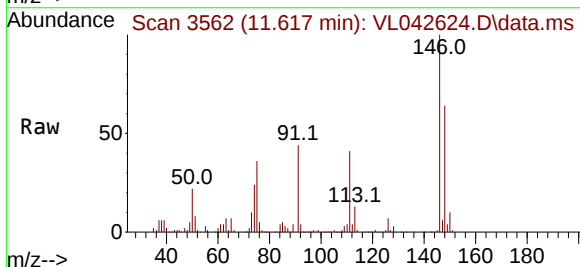
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0616ABS01

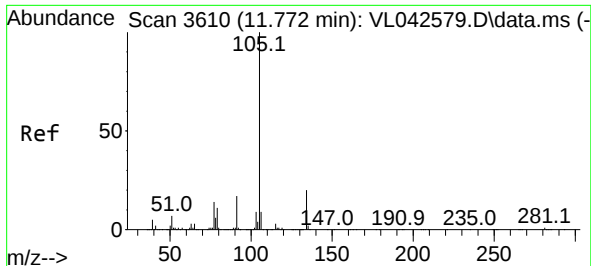
Tgt Ion:119 Resp: 469290  
Ion Ratio Lower Upper  
119 100  
91 80.1 61.1 91.7  
134 21.3 17.4 26.2



#66  
Benzyl Chloride  
Concen: 9.221 ppbv  
RT: 11.617 min Scan# 3562  
Delta R.T. -0.003 min  
Lab File: VL042624.D  
Acq: 16 Jun 2025 10:29

Tgt Ion: 91 Resp: 54970  
Ion Ratio Lower Upper  
91 100  
126 17.6 15.1 22.7  
128 6.4 5.0 7.6





#67

sec-Butylbenzene

Concen: 10.320 ppbv

RT: 11.769 min Scan# 3

Delta R.T. -0.003 min

Lab File: VL042624.D

Acq: 16 Jun 2025 10:29

Instrument :

MSVOA\_L

ClientSampleId :

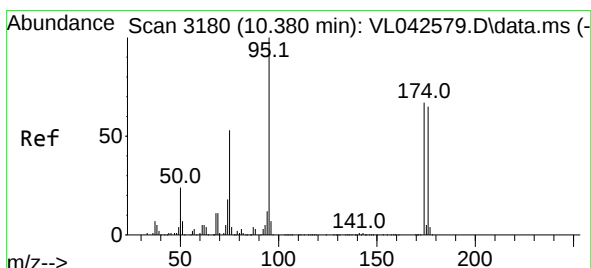
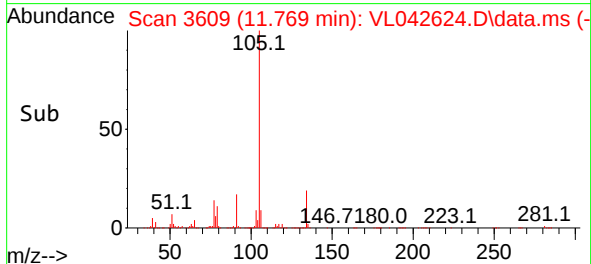
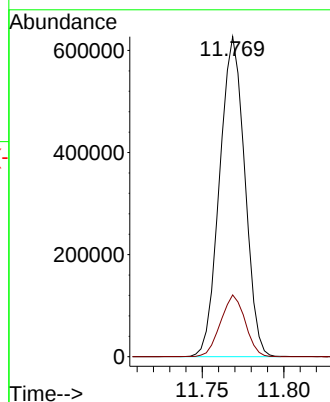
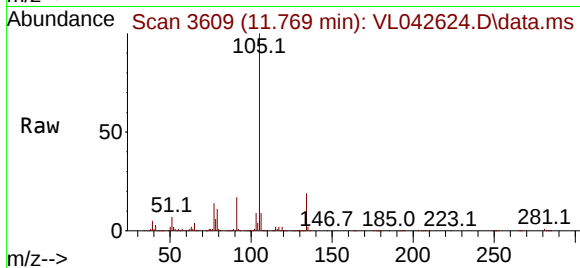
VL0616ABS01

Tgt Ion:105 Resp: 671931

Ion Ratio Lower Upper

105 100

134 18.9 15.8 23.6



#68

1-Bromo-4-Fluorobenzene

Concen: 10.237 ppbv

RT: 10.377 min Scan# 3179

Delta R.T. -0.003 min

Lab File: VL042624.D

Acq: 16 Jun 2025 10:29

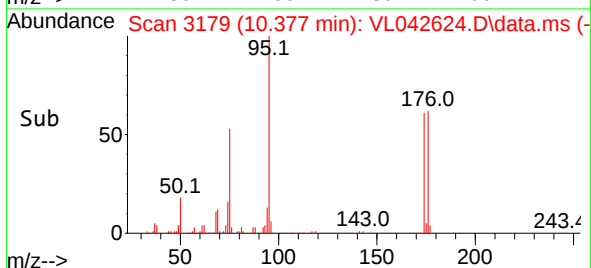
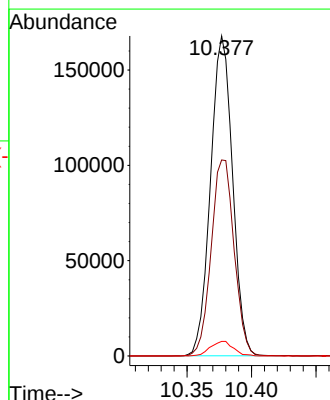
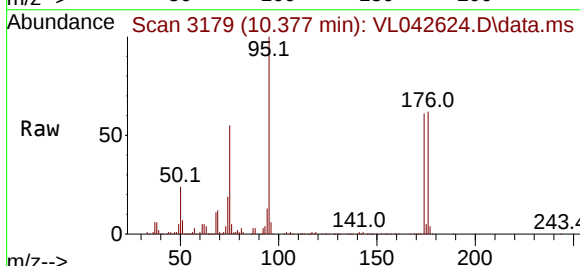
Tgt Ion: 95 Resp: 199109

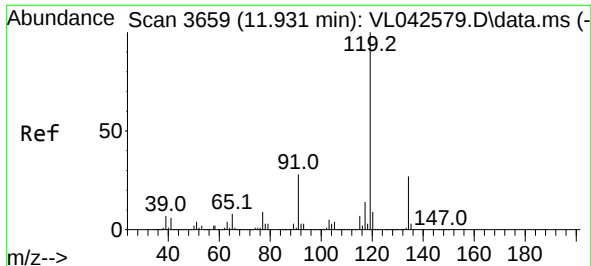
Ion Ratio Lower Upper

95 100

174 64.0 53.1 79.7

175 4.8 4.2 6.2





#69

p-Isopropyltoluene

Concen: 10.198 ppbv

RT: 11.927 min Scan# 3658

Delta R.T. -0.003 min

Lab File: VL042624.D

Acq: 16 Jun 2025 10:29

Instrument :

MSVOA\_1

ClientSampleId :

VL0616ABS01

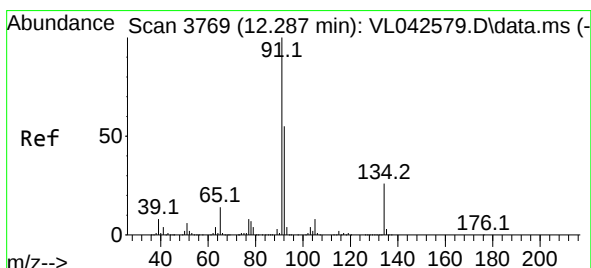
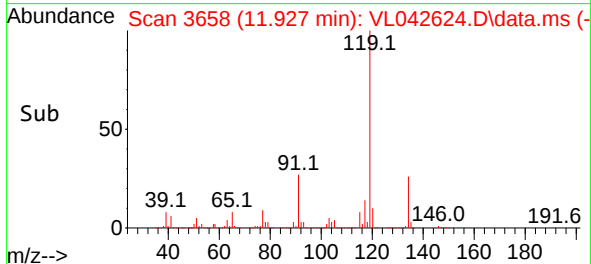
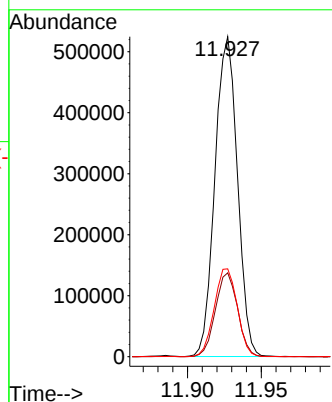
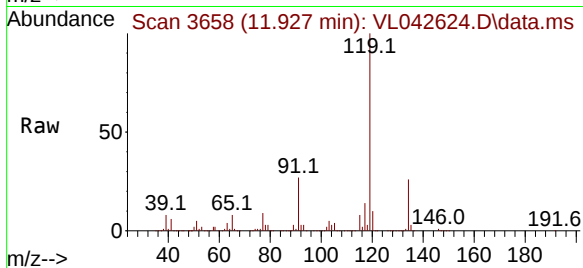
Tgt Ion:119 Resp: 556052

Ion Ratio Lower Upper

119 100

134 26.0 21.1 31.7

91 28.3 21.9 32.9



#70

n-Butylbenzene

Concen: 10.653 ppbv

RT: 12.283 min Scan# 3768

Delta R.T. -0.003 min

Lab File: VL042624.D

Acq: 16 Jun 2025 10:29

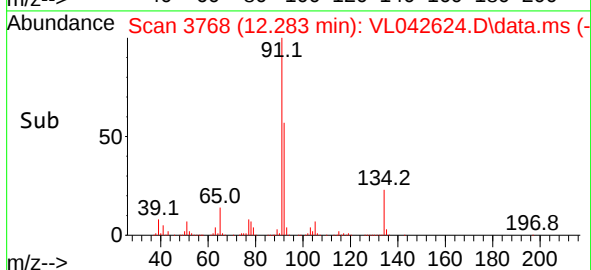
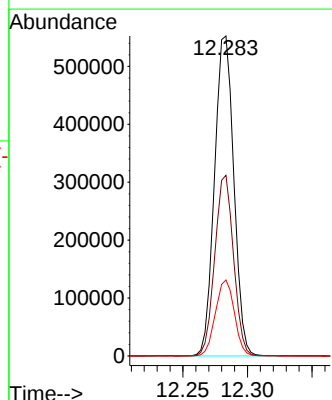
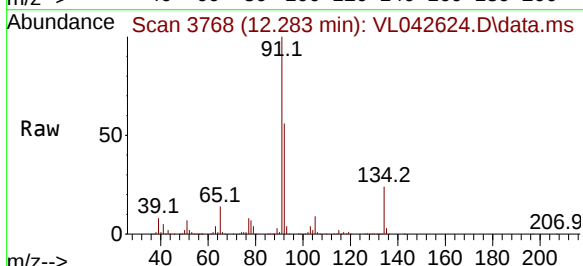
Tgt Ion: 91 Resp: 573365

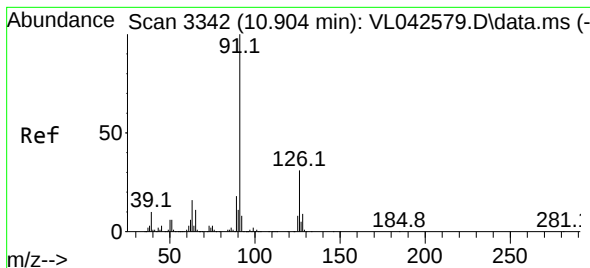
Ion Ratio Lower Upper

91 100

92 54.9 44.4 66.6

134 23.4 20.1 30.1

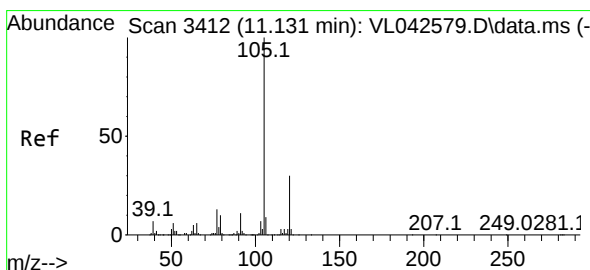
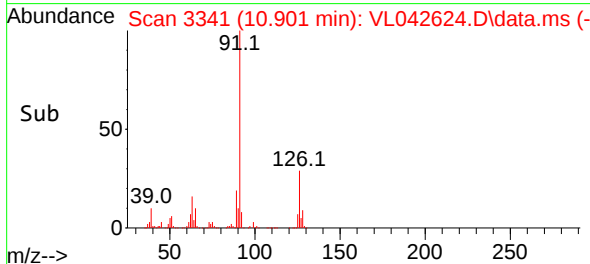
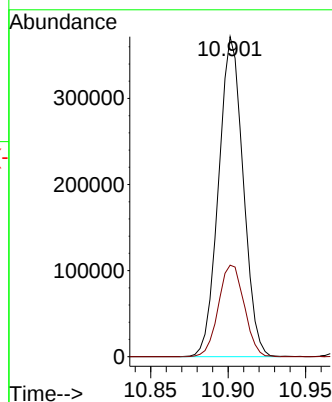
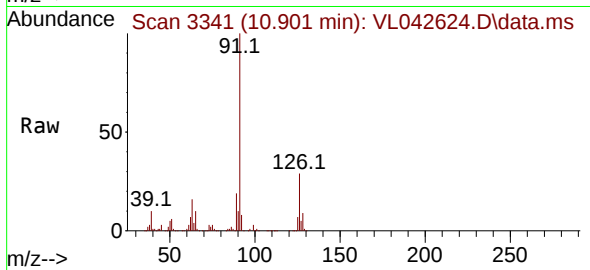




#71  
2-Chlorotoluene  
Concen: 10.535 ppbv  
RT: 10.901 min Scan# 31  
Delta R.T. -0.003 min  
Lab File: VL042624.D  
Acq: 16 Jun 2025 10:29

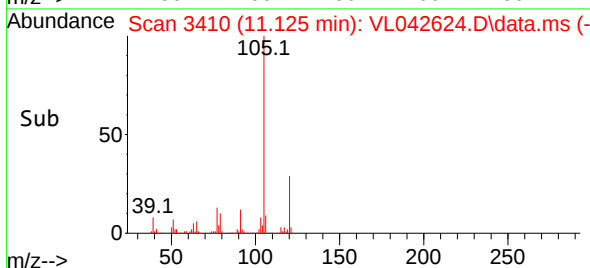
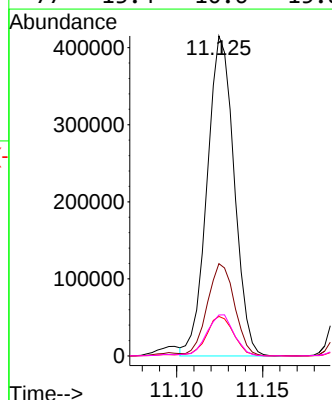
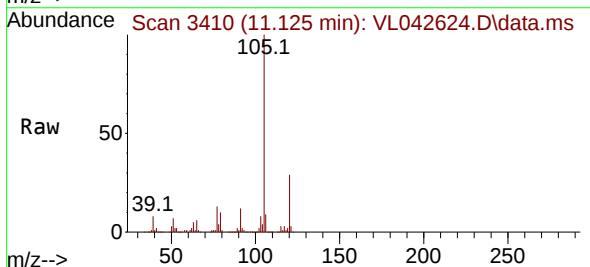
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0616ABS01

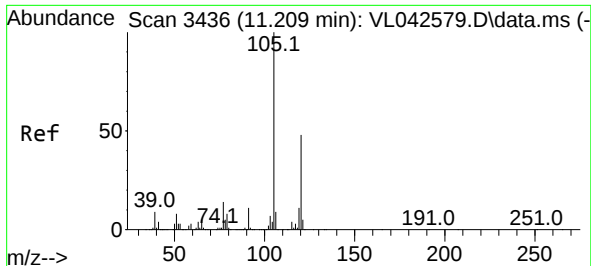
Tgt Ion: 91 Resp: 410090  
Ion Ratio Lower Upper  
91 100  
126 29.9 12.6 50.4



#72  
4-Ethyltoluene  
Concen: 10.547 ppbv  
RT: 11.125 min Scan# 3410  
Delta R.T. -0.007 min  
Lab File: VL042624.D  
Acq: 16 Jun 2025 10:29

Tgt Ion: 105 Resp: 454234  
Ion Ratio Lower Upper  
105 100  
120 30.0 24.6 36.8  
91 12.9 9.6 14.4  
77 13.4 10.6 15.8

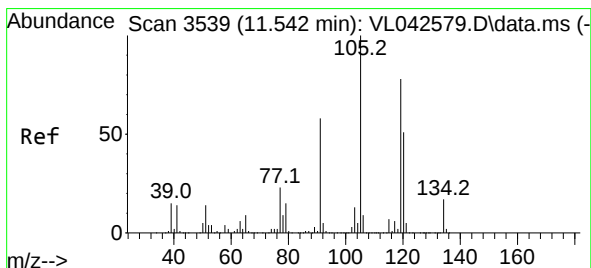
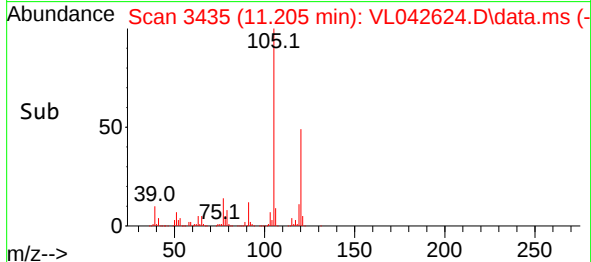
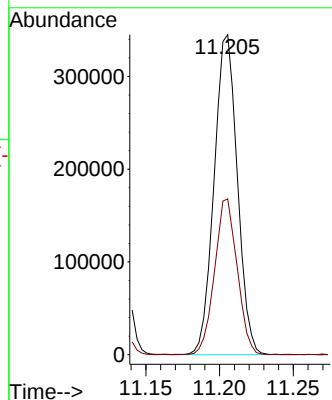
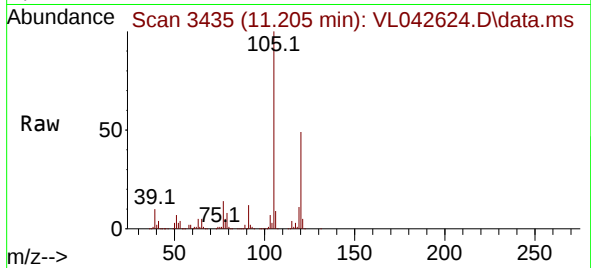




#73  
 1,3,5-Trimethylbenzene  
 Concen: 10.597 ppbv  
 RT: 11.205 min Scan# 3435  
 Delta R.T. -0.003 min  
 Lab File: VL042624.D  
 Acq: 16 Jun 2025 10:29

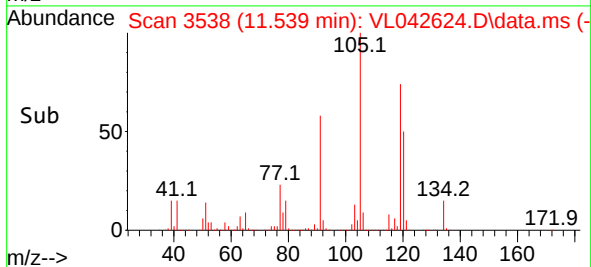
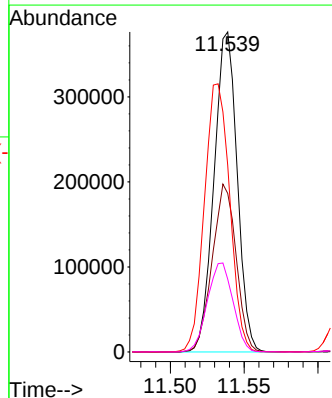
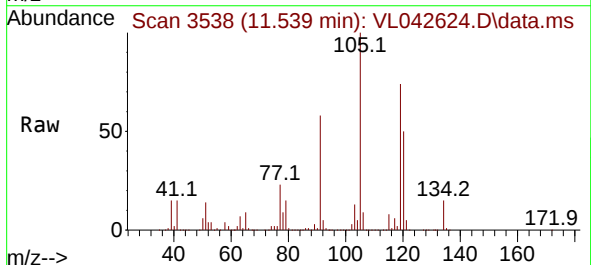
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0616ABS01

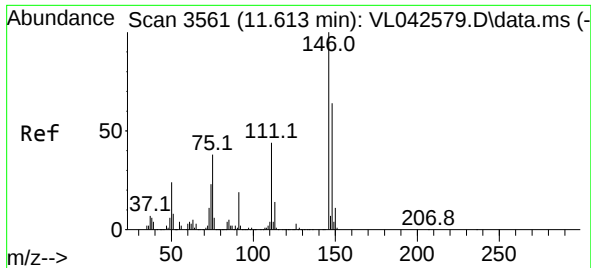
Tgt Ion:105 Resp: 377709  
 Ion Ratio Lower Upper  
 105 100  
 120 48.7 38.8 58.2



#74  
 1,2,4-Trimethylbenzene  
 Concen: 10.399 ppbv  
 RT: 11.539 min Scan# 3538  
 Delta R.T. -0.003 min  
 Lab File: VL042624.D  
 Acq: 16 Jun 2025 10:29

Tgt Ion:105 Resp: 411337  
 Ion Ratio Lower Upper  
 105 100  
 120 49.5 40.8 61.2  
 91 58.4 46.8 70.2  
 77 22.7 18.2 27.2

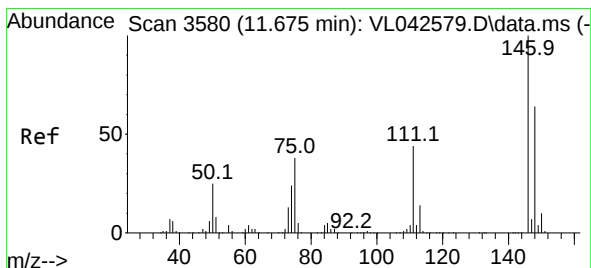
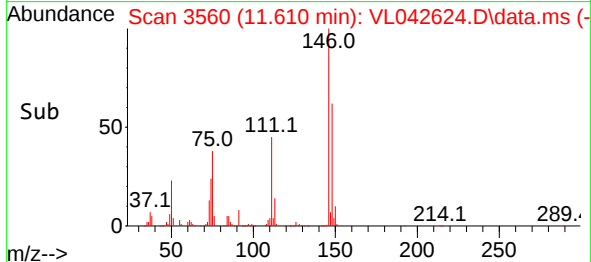
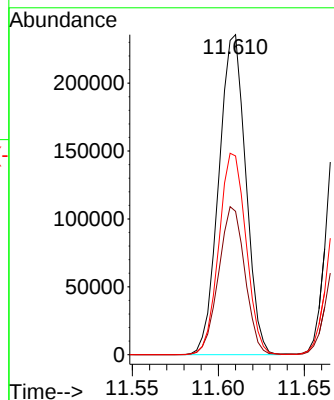
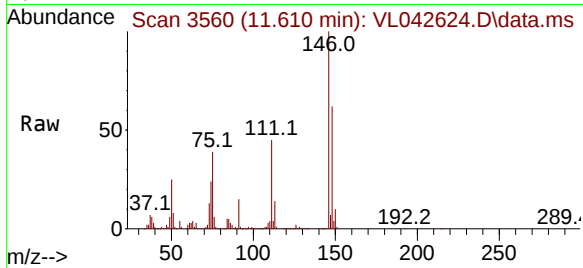




#75  
1,3-Dichlorobenzene  
Concen: 10.351 ppbv  
RT: 11.610 min Scan# 3560  
Delta R.T. -0.003 min  
Lab File: VL042624.D  
Acq: 16 Jun 2025 10:29

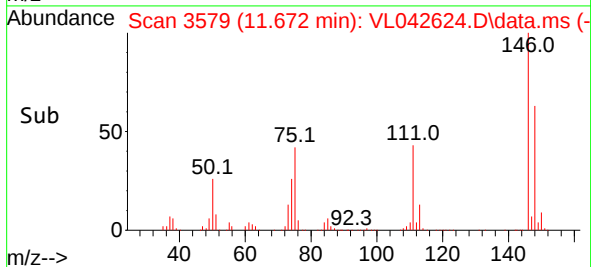
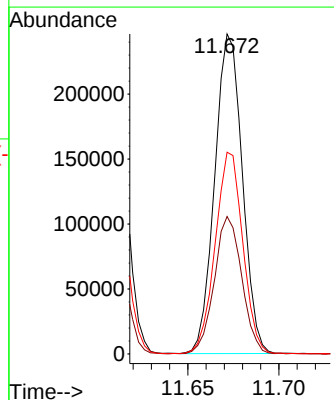
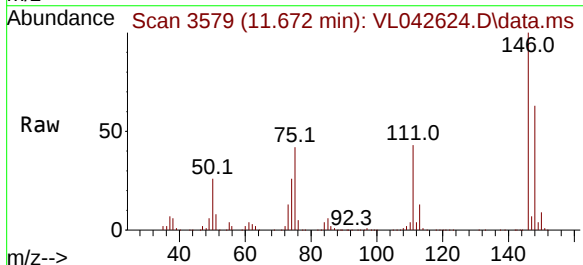
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0616ABS01

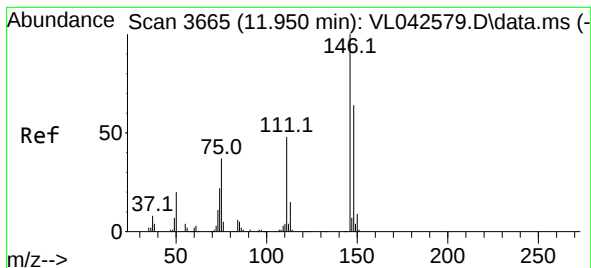
Tgt Ion:146 Resp: 257115  
Ion Ratio Lower Upper  
146 100  
111 45.2 22.4 67.3  
148 63.3 32.0 96.2



#76  
1,4-Dichlorobenzene  
Concen: 10.470 ppbv  
RT: 11.672 min Scan# 3579  
Delta R.T. -0.003 min  
Lab File: VL042624.D  
Acq: 16 Jun 2025 10:29

Tgt Ion:146 Resp: 259390  
Ion Ratio Lower Upper  
146 100  
111 43.0 21.6 64.8  
148 63.5 32.1 96.5





#77

1,2-Dichlorobenzene

Concen: 10.374 ppbv

RT: 11.947 min Scan# 3664

Delta R.T. -0.003 min

Lab File: VL042624.D

Acq: 16 Jun 2025 10:29

Instrument :

MSVOA\_1

ClientSampleId :

VL0616ABS01

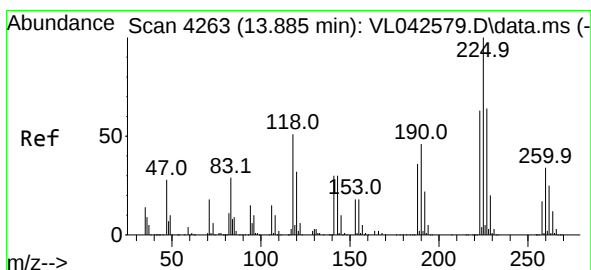
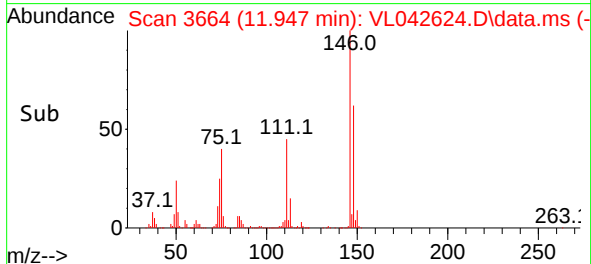
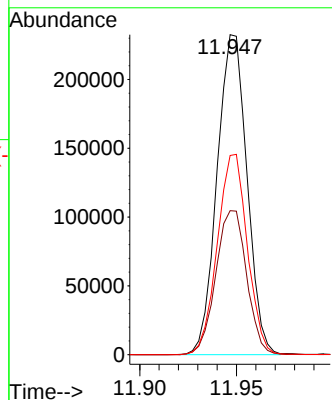
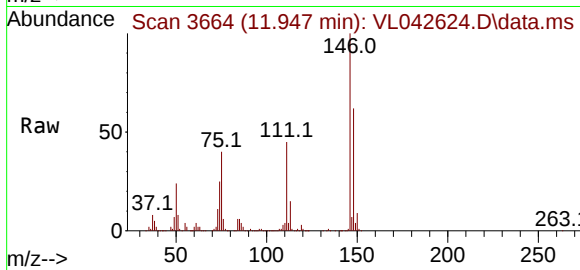
Tgt Ion:146 Resp: 250092

Ion Ratio Lower Upper

146 100

111 46.5 23.1 69.3

148 62.9 32.1 96.3



#78

Hexachloro-1,3-Butadiene

Concen: 9.142 ppbv

RT: 13.882 min Scan# 4262

Delta R.T. -0.003 min

Lab File: VL042624.D

Acq: 16 Jun 2025 10:29

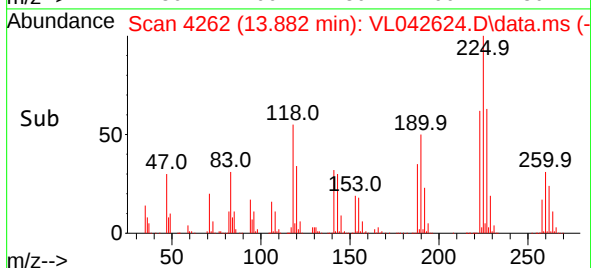
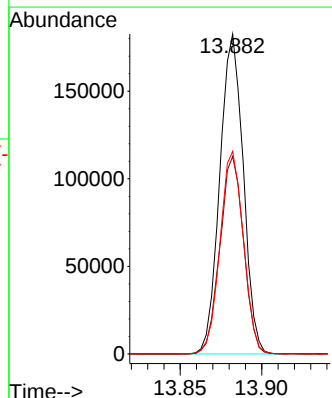
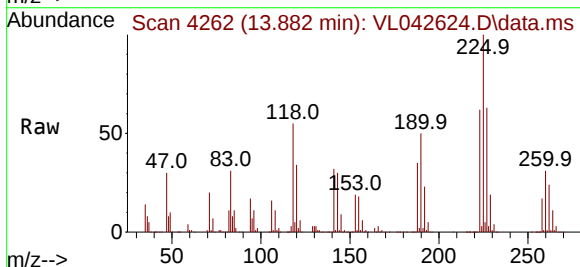
Tgt Ion:225 Resp: 182353

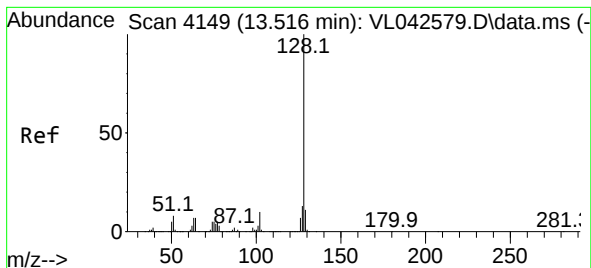
Ion Ratio Lower Upper

225 100

223 62.1 50.2 75.4

227 63.1 51.1 76.7





#79

Naphthalene

Concen: 10.847 ppbv

RT: 13.513 min Scan# 4149

Delta R.T. -0.003 min

Lab File: VL042624.D

Acq: 16 Jun 2025 10:29

Instrument :

MSVOA\_L

ClientSampleId :

VL0616ABS01

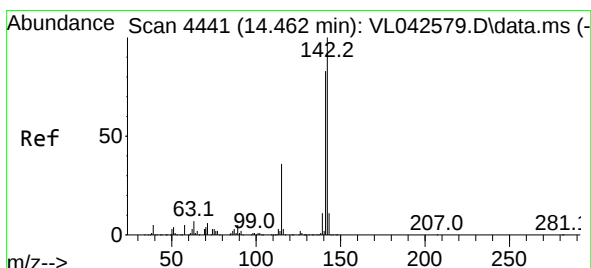
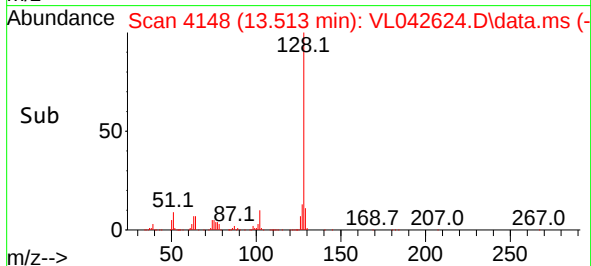
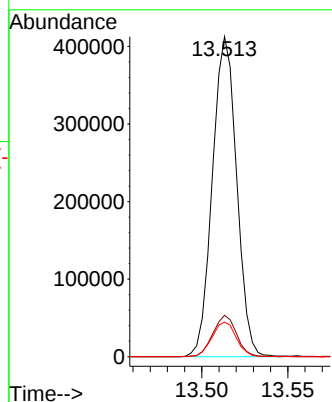
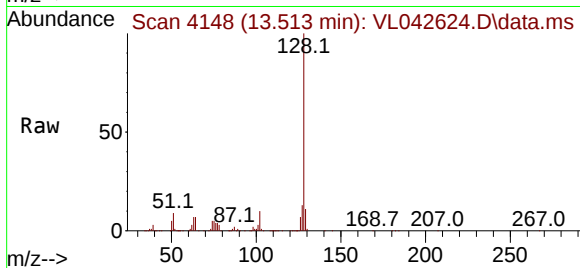
Tgt Ion:128 Resp: 404428

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

129 10.8 8.8 13.2



#80

Naphthalene, 2-methyl-

Concen: 11.863 ppbv

RT: 14.458 min Scan# 4440

Delta R.T. -0.003 min

Lab File: VL042624.D

Acq: 16 Jun 2025 10:29

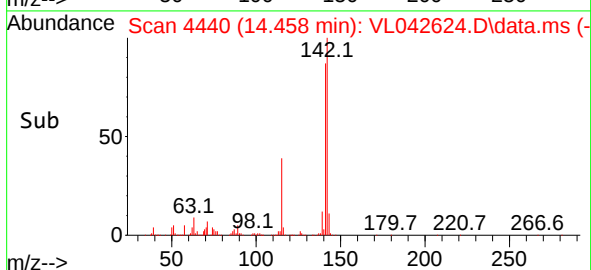
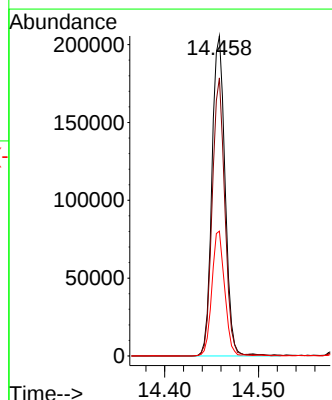
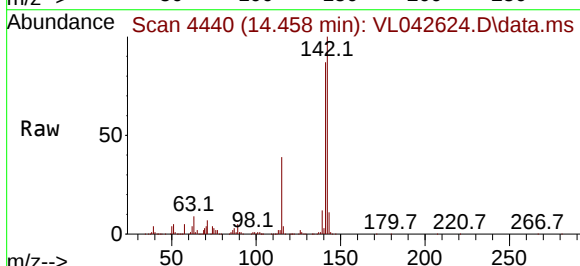
Tgt Ion:142 Resp: 199834

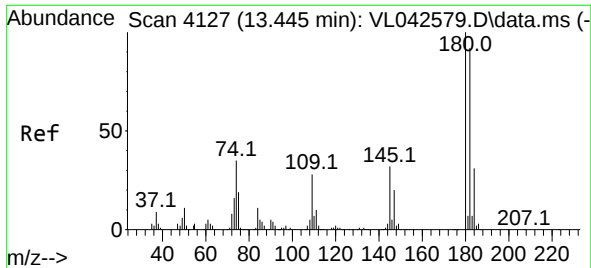
Ion Ratio Lower Upper

142 100

141 84.1 66.2 99.4

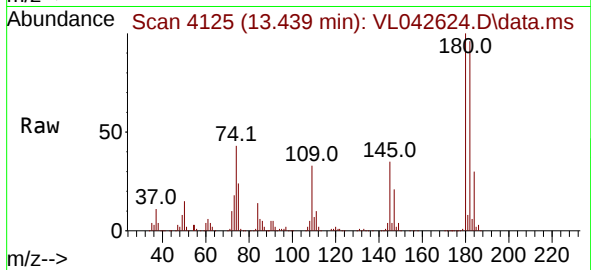
115 38.2 28.3 42.5





#81  
 1,2,4-Trichlorobenzene  
 Concen: 10.105 ppbv  
 RT: 13.439 min Scan# 41  
 Delta R.T. -0.007 min  
 Lab File: VL042624.D  
 Acq: 16 Jun 2025 10:29

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0616ABS01



Tgt Ion:180 Resp: 210333  
 Ion Ratio Lower Upper  
 180 100  
 182 96.8 75.0 112.4  
 184 30.7 24.6 36.8

